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DEPARTMENT OF PUBLIC HEALTH
NASHVILLE

Annual Bulletin

of

VITAL STATISTICS

FOR THE YEAR

1978

Hon. Lamar Alexander
Governor of Tennessee

Eugene W. Fowinkle, M.D.
Commissioner of Public Health

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TABLE OF CONTENTS

Page

List of Tables in Text 4

List of Figures in Text 5

Introduction 7

Interpretation 7

Description of the State of Tennessee and Composition of the Population 10

Definitions of Terms, Rates, and Ratios 11

Discussion of Vital Statistics, 1978 12

Births 12
Fetal Deaths 15
Induced Terminations of Pregnancy 16
Deaths 17
Infant Mortality 18
Maternal Mortality 19
Mortality in Childhood 20
Principal Causes of Death 21
Tuberculosis 22
Syphilis and Its Sequelae 22
Acute Infective Diseases 22
Malignant Neoplasms 22
Diabetes Mellitus 23
Diseases of Heart 23
Cerebrovascular Disease 23
Arteriosclerosis 23
Cirrhosis of Liver 23
Influenza and Pneumonia 24
Bronchitis, Emphysema, and Asthma 24
Accidents 24
Home Accidents 25
Motor Vehicle Accidents 26
Suicide 26
Homicide 26
Marriages 26
Divorces 27

Summary Tables:

Table I. Population, Births and Deaths with Rates per 1,000 Population, Fetal Deaths with Ratios per 1,000 Live Births, and Infant and Neonatal Deaths with Rates per 1,000 Live Births, by Race, Recorded and Resident Data, Tennessee, 1959-1978 28

Table II. Deaths from Important Causes with Rates per 100,000 Population, by Race, Resident Data, Tennessee, 1959-1978 29

Table III. Deaths from Selected Causes with Rates per 100,000 Population, by Race and Sex, Resident Data, Tennessee, 1959-1978 32

Table IV. Deaths According to Cause (8th Rev. ICDA), by Race, Sex, and Age, Resident Data, Tennessee, 1978 35

Table V. Deaths According to 210 Selected Causes (8th Rev. ICDA) with Rates per 100,000 Population, by Race, Resident Data, Tennessee, 1978 38

TABLE OF CONTENTS (Continued)

Page

Table VI. Births, Fetal Deaths, Infant Deaths, and Deaths by Cause (8th Rev. ICDA), with Rates and Ratios, by Race, for the State and for the Counties, Resident Data, Tennessee, 1978 40

Table VII. Births, Fetal Deaths, Infant Deaths, and Deaths by Cause (8th Rev. ICDA), with Rates and Ratios, by Race, for the Cities of 10,000 or More Population, Resident Data, Tennessee, 1978 64

Table VIII. Births, Fetal Deaths, Infant Deaths, and Deaths by Cause (8th Rev. ICDA), with Rates and Ratios, by Race, for the Health Department Regions, Resident Data, Tennessee, 1978 72

Table IX. Births and Deaths in Hospitals with Percentages for Cities of 10,000 or More Population and for Counties Inclusive of Cities, Resident and Recorded Data, Tennessee, 1978 75

Table X. Selected Recorded Data Regarding Births, Fetal Deaths, and Deaths for Cities of 10,000 or More Population and for Counties Inclusive of Cities, Tennessee, 1978 76

Table XI. Number of Induced Terminations of Pregnancy by Race of Woman by County, Resident and Recorded Data, Tennessee, 1978 78

Table XII. Selected Data on Marriages and Divorces by Recorded County and on Persons Married by Resident County, Tennessee, 1978 79

LIST OF TABLES IN TEXT

Table 1. Cities of 10,000 or More Population for Counties of Tennessee, 1970 10

Table 2. Birth and Death Rates and Rate of Natural Increase per 1,000 Population, by Race, Resident Data, Tennessee, 1978 12

Table 3. Number of Births by Month with Average per Day, Resident Data, Tennessee, 1978 . 12

Table 4. Number and Percentage of Births According to Attendant, by Race, Resident Data, Tennessee, 1978 13

Table 5. Percentage of Births Occurring in Hospitals, by Race, Resident Data, Tennessee, 1959-1978 13

Table 6. Percentage of Births Occurring in Hospitals, by Type of County, by Race, Resident Data, Tennessee, 1978 13

Table 7. Number and Percentage of Births According to Weight Group, by Race, Resident Data, Tennessee, 1978 14

Table 8. Number and Percentage of Births According to Age of Mother, by Race of Child, Resident Data, Tennessee, 1978 14

Table 9. Live Births by Number of Prenatal Visits, by Month of Pregnancy Prenatal Care Began, by Race of Child, Resident Data, Tennessee, 1978 14

Table 10. Percentage of Live Births Illegitimate, by Race, Resident Data, Tennessee, 1949-1978 15

Table 11. Number and Percentage of Fetal Deaths According to Weight Group, by Race, Resident Data, Tennessee, 1978 16

Table 12. Number and Percentage of Fetal Deaths According to Cause, by Race, Resident Data, Tennessee, 1978 16

Table 13. Number of Reported Induced Abortions According to Woman's Race with Ratios per 1,000 Recorded Live Births, Tennessee, 1974-1978 16

Table 14. Number and Percent Distribution of Reported Induced Abortions According to Woman's Age and Race, Tennessee, 1978 16

Table 15. Age-Adjusted Death Rates per 1,000 Population, by Race, Resident Data, Tennessee, 1959-1978 17

Table 16. Death Rates per 1,000 Population by Race, Sex, and Age, Resident Data, Tennessee, 1978 18

Table 17. Death Rates per 1,000 Population by Type of County, by Race, Resident Data, Tennessee, 1978 18

LIST OF TABLES IN TEXT (Continued)

Page

Table 18. Number of Deaths by Month with Average per Day, Resident Data, Tennessee, 1978 18

Table 19. Infant Mortality Rates per 1,000 Live Births by Type of County, by Race, Resident Data, Tennessee, 1978 19

Table 20. Number of Infant Deaths by Cause with Rates per 1,000 Live Births, by Race, Resident Data, Tennessee, 1978 19

Table 21. Number of Infant Deaths by Age at Death with Rates per 1,000 Live Births, by Race, Resident Data, Tennessee, 1978 19

Table 22. Principal Causes of Death with Rates per 100,000 Population, Resident Data, Tennessee, 1978 20

Table 23. Principal Causes of Death with Rates per 100,000 Population, by Sex, Resident Data, Tennessee, 1978 21

Table 24. Principal Causes of Death for Five Age Groups with Rates per 100,000 Population, Resident Data, Tennessee, 1978 21

Table 25. Number of Deaths from Malignant Neoplasms According to Primary Site with Rates per 100,000 Population, by Race, Resident Data, Tennessee, 1978 22

Table 26. Average Annual Death Rates per 100,000 Population for Malignant Neoplasms, by Race, Sex, and Age, Resident Data, Tennessee, 1976-1978 23

Table 27. Average Annual Death Rates per 100,000 Population for Diseases of Heart by Race, Sex, and Age, Resident Data, Tennessee, 1976-1978 23

Table 28. Average Annual Death Rates per 100,000 Population for Accidents by Race, Sex, and Age, Resident Data, Tennessee, 1976-1978 24

Table 29. Number of Deaths from Accidents According to Type of Accident with Rates per 100,000 Population, Resident Data, Tennessee, 1978 24

Table 30. Number of Deaths from Accidents by Class of Accident with Percentages, Resident Data, Tennessee, 1978 24

Table 31. Average Annual Death Rates per 100,000 Population for Accidents According to Class of Accident, by Age, Resident Data, Tennessee, 1976-1978 25

Table 32. Number of Deaths from Home Accidents According to Type of Accident with Rates per 100,000 Population, by Race, Resident Data, Tennessee, 1978 25

Table 33. Number of Deaths from Motor Vehicle Accidents by Type of Accident with Percentages, Resident Data, Tennessee, 1978 26

Table 34. Number of Marriages Recorded and Persons Married with Rates per 1,000 Population, Tennessee, 1969-1978 26

Table 35. Number of Marriages by Month with Average per Day, Recorded Data, Tennessee, 1978 27

Table 36. Number of Marriages According to Previous Marital Status of Bride and Groom, Recorded Data, Tennessee, 1978 27

Table 37. Number of Divorces Recorded and Persons Divorced with Rates per 1,000 Population, Tennessee, 1969-1978 27

LIST OF FIGURES IN TEXT

Page

Figure 1. Map of Tennessee Showing the 95 Counties, the 30 Cities of 10,000 or More Population in 1970, and the 9 Health Department Regions 9

Figure 2. Birth Rates per 1,000 Population, by Race, Resident Data, Tennessee, 1959-1978 12

Figure 3. Percentage of Live Births Illegitimate, by Race, Resident Data, Tennessee, 1949-1978 15

Figure 4. Age-Adjusted Death Rates per 1,000 Population, by Race, Resident Data, Tennessee, 1959-1978 17

Figure 5. Infant Mortality Rates per 1,000 Live Births by Race, Resident Data, Tennessee, 1959-1978 18

Figure 6. Infant Mortality Rates per 1,000 Live Births According to Neonatal and Postneonatal Periods, by Race, Resident Data, Tennessee, 1959-1978 20

Figure 7. Death Rates per 100,000 Population for the Principal Causes of Death, Resident Data, Tennessee, 1978 20

Figure 8. Death Rates per 100,000 Population for Malignant Neoplasms According to Primary Site, Resident Data, Tennessee, 1978 22

Figure 9. Average Annual Death Rates per 100,000 Population for Accidents According to Class of Accident, by Age, Resident Data, Tennessee, 1976-1978 25

Figure 10. Death Rates per 100,000 Population for Selected Types of Home Accidents, Resident Data, Tennessee, 1978 25

VITAL STATISTICS - 1978

STATE OF TENNESSEE

INTRODUCTION

Data from vital records for Tennessee for 1978 are given in this Vital Statistics Bulletin, the 52nd in a series of annual reports. Data regarding births and deaths are now available for the State for 62 consecutive years, 1917-1978. Reports of births, fetal deaths, total deaths, and deaths by specific causes for counties and certain cities of the State are in manuscript form for the 10 years 1917-1926. Beginning with 1946, data regarding marriages and divorces are included in the Bulletins. Although data regarding induced terminations of pregnancy performed in Tennessee are first available beginning with July 1973, this Vital Statistics Bulletin for 1978 is the first to include such data. (See page 7, item 4). A separate detailed report regarding induced terminations of pregnancy was first published for the calendar years 1974-1975 (and was followed by a report for 1976-1977 and one for 1978).

An analysis of the vital statistics of Tennessee for the year 1978 is given in the Introduction of this Bulletin. Following the analysis, summary tables are presented for the State for the 20 years 1959-1978, inclusive, and also detailed tables for 1978 for the State, the 95 counties, the cities with populations of 10,000 or more according to the 1970 census, and the 9 health department regions into which the State is divided (See Figure 1).

Since resident data (by place of residence) are considered preferable to recorded data (by place of birth or death), resident data for births and deaths have been given for the State, for the counties and for the cities beginning with the 1949 Bulletin and for the nine health department regions beginning with the 1972 annual report. Prior to 1949, recorded data were given in summary tables for the State. For the cities and counties, both recorded and resident data were given for deaths for 1933-1948 and for births for 1934-1948. The numbers of births and deaths with rates according to place of occurrence in 1978 are given in Table X.

The data in this Bulletin include all vital events occurring during 1978 which were reported to the Division of Vital Records of the Tennessee Department of Public Health as of March 31, 1979.

INTERPRETATION

Many factors must be considered for the correct interpretation of vital statistics. Completeness of registration is one of these factors. According to the 1950 birth registration test, 96.7 percent of the births reported to census enumerators for the 3 months January-March 1950 were registered. In the previous check in 1940, only 80.4 percent were registered. With the increased use of hospitals for delivery, it is estimated that 99 percent of the births in Tennessee are now being registered. However, there remain a few areas in the State where the registration of both births and deaths may not be complete. Also, characteristics peculiar to a certain area, such as proximity to a military base, affect the vital statistics of that area. In addition, knowledge of the racial and age composition of the population is important for proper interpretation.

The methods of collection and presentation of data are as follows:

1. The Tennessee Vital Records Act as amended in 1977 requires the physician, midwife, or other person attending a birth to file a birth certificate with the Office of Vital Records within 10 days after birth. The funeral director, or person burying a body, is responsible for filing a death certificate within 5 days after death. A representative of the local health department usually serves as the local registrar and a clerk of that department as a deputy registrar to carry out registration procedures locally. The certificates are forwarded to the Tennessee Department of Public Health weekly by the four metropolitan counties and semi-monthly by the other counties. Tennessee was admitted to the Death Registration Area in 1917 and to the Birth Registration Area in 1927.

2. Since July 1, 1945, certificates of marriage and divorce have been required to be filed with the Tennessee Department of Public Health. Persons to be married obtain from the county court clerk, in addition to the marriage license, a certificate of marriage which is signed by both applicants in the presence of the county court clerk issuing the marriage license. This certificate is taken to the officiant who completes and returns it to the county court clerk within 3 days after the marriage. The county court clerk sends the completed certificates to the state registrar monthly. Tennessee was one of the states admitted to the Marriage Registration Area at the time of its establishment in 1957.

The clerk of the court in which a divorce is granted is responsible for filing a certificate of the divorce decree (or annulment of marriage) issued by his court. The Divorce Registration Area was established in 1958 with Tennessee included in the area.

3. The Tennessee Vital Records Act of 1977 (which became effective January 1, 1978) requires that fetal deaths occuring in Tennessee and meeting a certain criterion should be reported directly to the Office of Vital Records of the Tennessee Department of Public Health within 10 days after delivery and should be filed as statistical reports rather than as certificates. (The previous law required registration, as for deaths, of fetal deaths of 20 weeks or more gestation. See page 7, item 1.) Under the new law, to be reported as a fetal death, the fetus must be of 20 completed weeks or more gestation or weigh 350 grams or more. If the fetal death occurs in an institution, the report should be prepared by the person in charge or his designated representative; if the fetal death occurs outside an institution, the report should be prepared by the physician in attendance or by the medical examiner in the absence of medical attendance.

4. In May 1973, the Tennessee Legislature amended the State law regarding induced abortion to comply with the United States Supreme Court's decision which provided that the only legal restriction on first trimester abortions was that the procedure be performed by or under the direction of a licensed physician and that the individual states should regulate induced abortion follow-

ing the first trimester of pregnancy. The new Tennessee law provided that second trimester abortions must be performed in hospitals and that third trimester procedures be allowed only to preserve the life or health of the mother. (Prior to this legislation induced abortions were illegal in Tennessee except to preserve the life of the mother.) In addition, the new State law required that all induced abortions be reported to the Commissioner of Public Health. Accordingly in July 1973, the Tennessee Department of Public Health initiated the use of the Induced Abortion Report form to collect basic statistical data (no identifying information) on each induced abortion performed in Tennessee. This report form which was used through 1977 was filed and processed monthly in the Statistical Office of the Department.

The Vital Records Act of 1977 stated that each induced termination of pregnancy which occurred in Tennessee should be reported to the Office of Vital Records within 10 days after the procedure. Thus, as a result of a procedural change in reporting (but no change in the definition of the event), induced terminations of pregnancy became a part of the reporting system of vital events in Tennessee in 1978.

5. The certificates for registration of births, deaths, marriages, and divorces, and the reports for fetal deaths and induced terminations of pregnancy, (all of which occur in Tennessee) were revised effective January 1, 1978. This revision was made in accordance with recommendations of the National Center for Health Statistics and is part of a program which periodically assesses the adequacy of current vital records to fulfill the various purposes in public health and related fields. The previous general revision of certificates was in 1968.

6. The medical portion of the death certificate is filled out by the physician who attended the deceased in his last illness. The 1961 Legislature passed the Post-Mortem Examination Act which provides for county medical examiners who investigate deaths which occur without medical attendance or under suspicious, unusual, or unnatural circumstances. The availability of medical facilities affects the quality of vital statistics and should be considered in comparing death rates from specific causes.

7. In 1949, the form for medical certification was changed to the international form recommended by the Sixth Decennial International Revision Conference and the World Health Organization. This form of medical certificate has two parts. Part I is for the cause leading directly to death, antecedent conditions, and the underlying cause which is stated last in the sequence of events. Part II is for other significant conditions which were not related to the disease or condition directly causing death. Although the form for medical certification was revised slightly in 1956, 1968, and 1978, the arrangement of data has remained basically the same as on the certificate introduced in 1949.

8. Beginning with 1968 events, the underlying causes of death have been classified under the title numbers of the Eighth Revision of the *International Classification Of Diseases*. For the period 1958-1967, data were classified under the title numbers of the Seventh Revision of the *International Classification*, and for the 9 years 1949-1957, the Sixth Revision of the same publication was used. For deaths occurring during 1940-1948, data were classified by the rules of the 1938 Revision of the International List and for the 8 years 1932-1939, by the rules of the 1929 Revision. Prior to 1932, the 1920 edition of the International List was used.

9. Prior to 1949, the *Manual of Joint Causes of Death* was used for assigning the cause when two or more causes were given on a certificate. The form of medical certificate in use beginning with 1949 places the responsibility for indicating the train of events leading to death on the physician signing the certificate. However, to maintain uniformity, classification rules were developed for use with the certificate, and these rules have been followed in Tennessee.

Due to the radical change in the method of assigning the cause of death in 1949, and because the groupings of conditions in the Sixth and Seventh Revisions of the *International Classification of Diseases* differed from those of the Fifth Revision for certain causes, it was necessary to apply comparability ratios (developed by the National Office of Vital Statistics) to the deaths for 1940-1948 in order to compare mortality risk from certain causes for the period 1949-1967 with that for 1940-1948. A discussion of this procedure and the comparability ratios used were given in *Tennessee Vital Statistics*, 1949.

The Eighth Revision represents some major changes from the groupings of diseases in the Sixth and Seventh Revisions. In order to make valid comparisons of mortality by cause for events classified by this Revision with those classified by the Sixth and Seventh Revisions, comparability ratios are needed. Such comparability ratios are not available from the National Center for Health Statistics by race, sex, and age.

In the absence of detailed comparability ratios and because the Eighth Revision of the Classification created new category titles, some regrouping of deaths by cause for the years prior to 1968 has been made in the Bulletins for 1968-1978. Data for selected causes of death given in Tables II and III are shown according to category titles of the Eighth Revision. In order to fit as nearly as possible the deaths by cause for the years prior to 1968 into the same categories as those for 1968-1978 (and without the application of comparability ratios), a correspondence of code numbers for the Seventh and Eighth Revisions was used. This correspondence is shown on page 9.

Category Title According to Eighth Revision	International Classification Code Numbers	
	Eighth Revision	Seventh Revision
Typhoid Fever	001	040
Bacillary Dysentery and Amebiasis	004,006	045,046
Enteritis and Other Diarrheal Diseases	008,009	571,764
Tuberculosis, All Forms	010-019	001-019
Tuberculosis of Respiratory System	010-012	001-008
Diphtheria	032	055
Whooping Cough	033	056
Streptococcal Sore Throat and Scarlet Fever	034	050,051
Meningococcal Infection	036	057
Acute Poliomyelitis	040-043	080
Measles	055	085
Viral Encephalitis	062-065	082.0,082.2, 082.3
Rocky Mountain Spotted Fever	082.0	104
Syphilis and Its Sequelae	090-097	020-029
Malignant Neoplasms, All Sites	140-209	140-205
Malignant Neoplasms of Respiratory System	160-163	160-164
Diabetes Mellitus	250	260
Diseases of Heart	390-398,402, 404,410-429	400-443
Cerebrovascular Disease	430-438	330-334
Arteriosclerosis	440	450
Influenza	470-474	480-483
Pneumonia	480-486	490-493,763
Emphysema	492	527.1
Bronchitis, Emphysema, and Asthma	490-493	501,502,527.1, 241
Hernia and Intestinal Obstruction	550-553,560	560,561,570
Cirrhosis of Liver	571	581
Cholelithiasis, Cholecystitis and Cholangitis	574,575	584,585
Nephritis and Nephrosis	580-584	590-594
Complications of Pregnancy, Childbirth, and the Puerperium	630-678	640-689
Congenital Anomalies	740-759	750-759
Certain Causes of Mortality in Early Infancy	760-769.2,769.4-772,774-778	760-762,765-776
Symptoms and Ill-defined Conditions	780-796	780-795
Accidents, All Types	800-949	800-962
Motor Vehicle Accidents	810-823	810-835
Suicide	950-959	963,970-979
Homicide	960-978	964,980-985

Caution should be exercised in making any comparison of mortality by cause for deaths for 1968-1978 with those for previous years.

10. In order to improve the data on causes of death, physicians signing the death certificates are asked to give additional information for certificates with unsatisfactory terms or incomplete statements of causes of death. Additional information is also obtained regarding the circumstances under which accidental deaths occurred. Supplemental data regarding deaths from motor vehicle accidents are obtained from the Tennessee Department of Safety.

11. Prior to 1972, in addition to the underlying cause of death, as many as two additional causes, one complication and one contributory condition, were coded according to certain rules. Tabulated results of the additional causes for resident deaths were shown in the annual bulletin, *Tennessee Vital Statistics*, for the years 1949-1971. Because of difficulties in interpretation of these data, this coding was discontinued with 1972 events.

12. Resident data are given for the State, for the cities, for the counties, and for the nine health department regions. Resident data are obtained by classifying certificates and reports according to the residence of the deceased for deaths, according to the residence of the mother for births and fetal deaths, according to the residence of the woman for induced termination of pregnancy, and according to the residence of the bride and groom for marriages.

Copies of death certificates of Tennessee residents dying in other states and copies of certificates of births and reports of fetal deaths occurring in other states to mothers who are residents of Tennessee are forwarded to Tennessee in the interstate transfer of these certificates/reports. Thus, it is possible for each state to derive birth, death, and fetal death statistics relative to its residents. Since at the present time there is no interstate transfer of certificates of marriage and divorce, and of reports of induced terminations of pregnancy, resident data for these events are incomplete.

Figure 1. Map of Tennessee Showing the 95 Counties, the 30 Cities of 10,000 or More Population in 1970, and the 9 Health Department Regions

Under the rules for residence allocation, the standard geographic allocation of residence for births and deaths is to the home area of the individual as stated on the certificate. (Prior to 1973, events in long-term facilities, such as mental hospitals, nursing homes, and penal institutions, regardless of length of stay in the facility were allocated to the place of previous residence. Whenever data are lacking for residence of the deceased, the death is given to the place where the death occurred.) For births and infant deaths, the home area of the child is defined as the usual residence of the mother.

Recorded data are obtained by classifying certificates/reports according to the place of birth, death, fetal death, induced termination of pregnancy, marriage, or divorce. For certain purposes, such as knowledge of the numbers of births or deaths in hospitals in cities and counties, recorded data are desirable and are presented in some of the summary tables.

Many residents of the State and of near-by states use the hospitals in the large cities of Tennessee; consequently, the numbers of recorded births and deaths are large in these cities. Resident data, therefore, are preferable to recorded data for comparing birth and death rates of the cities and counties of Tennessee.

DESCRIPTION OF THE STATE OF TENNESSEE AND COMPOSITION OF THE POPULATION

In order to assist in the interpretation of vital statistics, a brief description of the State and of the distribution of its population is given in this section.

Tennessee has a length from east to west of 432 miles on the 36° 30′ parallel and an average width from north to south of 109 miles and is bordered by 8 states. Geographically, the State is divided into three parts. East Tennessee is, in general, a mountainous region with the Appalachian Mountains in the extreme eastern section. This section also contains the fertile valley of East Tennessee which lies between the Appalachian Mountains and the Cumberland Plateau, a tableland with an average elevation of 2,000 feet above sea level. Middle Tennessee, which includes a few counties in the western section of the Cumberland Plateau, is bordered on the West by the Tennessee River as it flows north. This section contains the fertile Nashville or Central Basin. West Tennessee is a part of the Gulf Coastal Plain and is bordered by the Tennessee River flowing north and the Mississippi River.

The State is divided into 95 counties which vary in size. In certain sections of the State, the population is sparse. According to the 1970 Census, in 22 counties, there were less than 30 persons per square mile. These counties are concentrated around the Tennessee River as it flows north and in the Cumberland Plateau Area. There were also 34 counties with only 30-49 persons per square mile. Of the remaining 39 counties, 23 had 50-99 persons per square mile, and 16 had 100 or more persons per square mile. Shelby County with 956.3 persons per square mile and Davidson County with 881.9 persons per square mile were the most densely populated counties.

According to the 1970 Census, 3 counties had less than 5,000 population,and 5 counties had 100,000 or more population. Four of the counties with large populations contained the cities of 100,000 or more population: Chattanooga, Knoxville, Memphis, and Nashville. Sullivan County, in which are located the cities of Bristol and Kingsport, ranked fifth in population. Figure 1 is a map of Tennessee showing the 95 counties, the 30 cities of 10,000 or more population in 1970, and the 9 health department regions. Table 1 lists these 30 cities and the counties in which they are located. Six of these cities had less than 10,000 population according to the 1960 Census: Cookeville, Gallatin, Humboldt, McMinnville, Millington, and Union City.

In Bulletins for years prior to 1963, data are given separately for the City of Nashville and for Davidson County. Effective April 1, 1963, the governments of Nashville and Davidson County merged to form a metropolitan area. Thus, beginning with the 1963 Bulletin, this geographic area has been treated as one entity. In tables which show city and/or county data, "Nashville-Davidson County" is listed with cities of 10,000 or more population, and "Davidson County" is listed with the counties. Identical data are shown for both.

TABLE 1. CITIES OF 10,000 OR MORE POPULATION FOR COUNTIES OF TENNESSEE, 1970

City	*County*	*City*	*County*
Athens	McMinn	Kingsport	Sullivan
Bristol	Sullivan	Knoxville	Knox
Chattanooga	Hamilton	Lebanon	Wilson
Clarksville	Montgomery	McMinnville	Warren
Cleveland	Bradley	Maryville	Blount
Columbia	Maury	Memphis	Shelby
Cookeville	Putnam	Millington	Shelby
Dyersburg	Dyer	Morristown	Hamblen
East Ridge	Hamilton	Murfreesboro	Rutherford
Elizabethton	Carter	Nashville-Davidson	
Gallatin	Sumner	Oak Ridge	Anderson
Greeneville	Greene	Red Bank	Hamilton
Humboldt	Gibson	Shelbyville	Bedford
Jackson	Madison	Tullahoma	Coffee
Johnson City	Washington	Union City	Obion

The 4 counties with cities of 100,000 or more population in 1970 are classified as "metropolitan" counties for the purpose of this Bulletin. The 22 counties containing cities with populations of 10,000 through 99,999 according to the 1970 Census are designated "intermediate" counties; the remaining 69 counties,none of which had a city of 10,000 or more population, comprise the "rural" counties.

The official Census population for Tennessee for April 1, 1970 was 3,924,164. However, due to uncorrected data processing errors, a total of 3,923,687 is shown in tables published by the Census Bureau, which contain the components of race, sex, age, etc. Thus, the latter figure has been used by this office to make comparisons between Census data for 1960 and 1970, to revise estimates for the 1960's, and to make current estimates for the 1970's.

The total enumerated population of Tennessee increased from 3,567,089 in 1960 to 3,923,687 in 1970, representing a 10 percent increase. The white population increased by 10.6 percent (from 2,977,753 to 3,293,930) in this period, and the nonwhite population

gained from 589,336 to 629,757, a 6.9 percent increase. In 1970, the nonwhite population comprised 16.1 percent of the State's population, compared with 16.5 percent in 1960.

The nonwhite population of Tennessee is concentrated primarily in West Tennessee: 59 percent of the State's nonwhite population in 1970 were in that area. In fact, 4 out of every 10 (42.6 percent) of the nonwhite persons of the State lived in Shelby County in which the city of Memphis is located. In two counties in West Tennessee, Fayette and Haywood, the nonwhite population exceeded the white.

Between 1960 and 1970, substantial decreases were experienced in the population under 5 years of age in both racial groups. This was associated with a decrease in births in the latter half of the decade. There was a loss in nonwhite population in the age group 30-54 years; the white population 35-39 years of age showed a decrease also. The greatest percentage gains in population were in the age group 20-24 years for the white and in ages 15-19 years for the nonwhite. The increased populations in these age groups were associated with the relatively high birth rates experienced in the latter part of the 1940's and early 1950's.

The 1970 enumerated population for the metropolitan counties of Tennessee was 1,700,546 or 43 percent of the total for the State. The intermediate and the rural counties, with 1,093,007 and 1,130,134 persons, respectively, each had slightly less than 30 percent of the State's total population. As to racial distribution by type of county, 75 percent of the population of the metropolitan counties was white compared with 91 percent white in both the intermediate and the rural counties.

The population used in calculating rates for the State for 1978 as shown in this Bulletin was 4,357,000, the latest estimate for Tennessee released by the Census Bureau at the time that this report was prepared. Estimates for components of the State's population were derived using *Tennessee State Life Tables*, 1969-1971, as applied to the most recent estimates of broad age groups released by the Census Bureau. Total county population estimates for 1978 were obtained from the Census Bureau; estimates of racial distribution within counties were based on the 1970 Census distribution. Estimates for city populations for 1978 were obtained from the Census Bureau; distribution by race was based on the 1970 Census data.

Following the release of population figures according to the 1970 Census, intercensal population estimates for the State for the years 1960-1970 were recalculated based on the final Census data for 1960 and 1970. Therefore, beginning with the 1971 Bulletin, rates for the years 1960-1970 may differ somewhat from the rates shown for these years in earlier Bulletins.

DEFINITIONS OF TERMS, RATES, AND RATIOS

Birth Rate - Number of live births per 1,000 population.

Cause-Specific Death Rate - Number of deaths from a specific cause per 100,000 population with the exception of maternal death rate which is per 10,000 live births.

Crude Death Rate - Number of deaths per 1,000 population.

Divorce Rate - Number of persons divorced per 1,000 population.

Fertility Rate - Number of resident births per 1,000 females 15-44 years of age.

Fetal Death Ratio - Number of fetal deaths per 1,000 live births.

Illegitimate - For live births and fetal deaths, legitimacy item on certificate checked "no".

Illegitimate Birth Rate - Number of illegitimate births per 100 live births.

Induced Termination of Pregnancy - The intentional termination of pregnancy for a purpose other than to produce a live-born infant or to remove a dead fetus.

Induced Termination of Pregnancy Ratio - Number of induced terminations of pregnancy per 1,000 live births.

Infant Death - A death occurring to a live-born infant under one year of age.

Infant Mortality Rate - Number of infant deaths per 1,000 live births.

Live Birth - A birth in which the child shows evidence of life (includes heart action, breathing, or a coordinated movement of a voluntary muscle) after complete birth.

Low-Weight Birth - A live birth weighing 2,500 grams or less.

Low-Weight Birth Rate - Number of live births weighing 2,500 grams or less per 100 live births.

Low-Weight Fetal Death - A birth of 20 weeks or more gestation or a weight of 350 grams or more which is not a live birth and weighs 2,500 grams or less.

Low-Weight Fetal Death Rate - Number of fetal deaths weighing 2,500 grams or less per 100 fetal deaths.

Marriage Rate - Number of persons married per 1,000 population.

Maternal Death - A death due to complications of pregnancy, childbirth, and the puerperium (ICDA codes 630-678).

Maternal Death Rate - Number of maternal deaths (ICDA codes 630-678) per 10,000 live births.

Neonatal Death - A death occurring to a live-born infant under 28 days of age.

Neonatal Mortality Rate - Number of neonatal deaths per 1,000 live births.

Postneonatal Death - A death of an infant 28 days or more but under one year of age.

Postneonatal Mortality Rate - Number of postneonatal deaths per 1,000 live births.

Prenatal Care - A mother is classified as having obtained prenatal care when the certificate of live birth contains information concerning both the month that prenatal care began and the number of prenatal visits.

Race - The terms "white" and "nonwhite" are used to denote the racial groups. Definitions used for classifying race are those specified by the Bureau of the Census.

Recorded Data - Data compiled according to geographical place where the event occurred without regard to residence. (Recorded data for Tennessee include events which took place within the State, irrespective of the residences of the persons to whom the events occurred.)

Reported Fetal Death (stillbirth) - A birth of 20 weeks or more gestation or a weight of 350 grams or more which is not a live birth. (Note: Induced terminations of pregnancy are excluded in the fetal death count unless otherwise indicated.)

Resident Data - Data compiled according to the usual place of residence of the person to whom the event occurred without regard to the geographical place where the event occurred. For births, infant deaths, and fetal deaths, the residence is defined as the usual place of residence of the mother. (Resident data for Tennessee include events which occurred to residents of the State irrespective of where the events took place.)

Notes:

Death rates for specific causes are not calculated for white or nonwhite populations of less than 5,000.

Rates or percents of less than 0.05 are indicated by 0.0.

Rates based on births are not calculated when number of births is less than 10.

Metropolitan county
Intermediate county
Rural county

see page 10 of Introduction.

DISCUSSION OF VITAL STATISTICS, 1978

Births: There were 66,466 live births to residents of Tennessee in 1978, giving a birth rate of 15.3 per 1,000 population. The number of births showed only a very slight decrease (0.2 percent) from the 66,632 births reported in 1977. The birth rate (15.3) in 1978 represented a 1 percent decrease from the rate of 15.5 in the preceding year.

In 1978, resident white births numbered 51,183, which represented a 2 percent decrease from the 52,110 white births in 1977. The birth rate of 13.9 per 1,000 white population in 1978 showed a 3 percent decrease from the comparable rate of 14.4 in 1977. The 15,275 nonwhite births in 1978 represented a 5 percent increase over the 14,521 nonwhite births in 1977, while the rate of 22.6 for nonwhite births in 1978 was also 5 percent higher than the comparable rate of 21.6 in 1977. The number (15,275) of resident nonwhite births in 1978 was the largest for that race since 1970 (when there were 15,495 such births); the birth rate for the nonwhite population in 1978 was the highest since 1971 when the comparable rate was 23.6. For the period 1934-1947, the birth rate for the white population was higher than the corresponding rate for the nonwhite while the reverse was true for the years 1948-1978. In 1978, the birth rate for the nonwhite population exceeded that for the white population by 63 percent, the greatest relative difference between the rates of white and nonwhite births since resident data have been kept (1934).

The trend of the birth rate by race for the past 20 years (1959-1978) is shown in Figure 2. Following the record high rate of 26.7 per 1,000 population for total births in 1947, the birth rate fluctuated slightly until 1955. A steadily declining trend was maintained for the years 1955-1978, interrupted only by increases of 3 percent in 1969 and in 1970, and of 5 percent in 1977. For the period 1971-1976, the State's birth rate experienced annual decreases varying from 1 to 8 percent. The patterns of birth rates for the white and nonwhite races for the years of 1959-1978 were similar to the trend of the total birth rate for that period; however, rates for the nonwhite race remained at a level of approximately one and one-half times those for the white race.

During the years 1960-1970, the number of females of childbearing age (15-44 years) in Tennessee increased by 13 percent as a result of increases in the number of females 15-29 years of age. A 19 percent increase in the estimated number of females 15-44 years of age was experienced between 1970 and 1978. On the other hand, the fertility rate (number of resident births per 1,000 females 15-44 years of age) declined from 110 in 1960 to 86 in 1970 to 66 in 1978, showing decreases of 22 and 23 percent, respectively. The percentage of total resident births in 1978 that were first pregnancies was 41 percent.

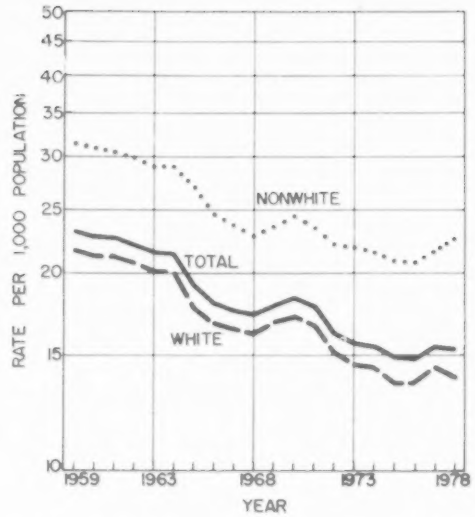

Figure 2. Birth Rates Per 1,000 Population, by Race, Resident Data, Tennessee, 1959-1978

TABLE 2. BIRTH AND DEATH RATES AND RATE OF NATURAL INCREASE PER 1,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1978

	Total	*White*	*Nonwhite*
Birth rate	15.3	13.9	22.6
Death rate	8.9	8.7	9.9
Rate of natural increase	6.4	5.2	12.7

For residents of Tennessee in 1978, the crude birth rate exceeded the crude death rate for a rate of natural increase of 6.4 per 1,000 population (Table 2). The rate of natural increase in 1978 was the same as in 1977. For the white population, the rate of natural increase was 5.2 per 1,000 white population, and for the nonwhite, 12.7 (per 1,000 nonwhite population). Thus, the rate for the nonwhite population was more than twice that for the white.

The 66,466 resident births in 1978 corresponded to an average of 182 births per day (Table 3). The highest daily average of births, 200, occurred in July; August, with a daily average of 199 births, ranked second. The month with the lowest average was April, with 161 births per day.

TABLE 3. NUMBER OF BIRTHS BY MONTH WITH AVERAGE PER DAY, RESIDENT DATA, TENNESSEE, 1978

Month	*Number*	*Average per day*	*Month*	*Number*	*Average per day*
Total	66,466	182.1	June	5,344	178.1
			July	6,203	200.1
January	5,405	174.4	August	6,159	198.7
February	4,901	175.0	September	5,916	197.2
March	5,394	174.0	October	5,793	186.9
April	4,831	161.0	November	5,525	184.2
May	5,195	167.6	December	5,800	187.1

Of the 66,466 resident births in 1978, there were 34,110 males and 32,355 females, giving a sex ratio of 1,054 male births to 1,000 female births.

In 1978, there were 1,380 resident live births occurring in multiple deliveries: 1,358 were of twins, and 22 were of triplets.

Numbers of births according to attendant at delivery in 1978 are shown in Table 4. Of the total resident births, 65,636 or 98.8 percent occurred in hospitals. This percentage varied only slightly by race, with 98.9 percent of the white births delivered in hospitals compared to 98.2 percent of the nonwhite births. Of the total number of resident live births, 64,520 or 97.7 percent were delivered by physicians (97.1 percent in hospitals and 0.7 percent outside hospitals).

TABLE 4. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO ATTENDANT, BY RACE, RESIDENT DATA, TENNESSEE, 1978

	Total		*White*		*Nonwhite*	
Attendant	*Number*	*Percent*	*Number*	*Percent*	*Number*	*Percent*
Total	66,466	100.0	51,183	100.0	15,275	100.0
In hospital	65,636	98.8	50,633	98.9	14,997	98.2
Physician	64,520	97.1	49,794	97.3	14,720	96.4
Certified Nurse Midwife	1,045	1.6	774	1.5	271	1.8
Nurse-Midwife	1	0.0	1	0.0	-	-
Midwife	-	-	-	-	-	-
Other or unspecified	70	0.1	64	0.1	6	0.0
Not in hospital	830	1.2	550	1.1	278	1.8
Physician	410	0.6	193	0.4	217	1.4
Certified Nurse Midwife	15	0.0	14	0.0	1	0.0
Nurse-Midwife	20	0.0	18	0.0	2	0.0
Midwife	254	0.4	207	0.4	46	0.3
Other or unspecified	131	0.2	118	0.2	12	0.1

Includes one or more births with race and/or facility not stated.

The percentages of total births by race which were delivered in hospitals for the years 1959-1978 are shown in Table 5. For the years 1959-1978, there was a steady increase in the percentage of births occurring in hospitals. The percentage of total births in hospitals was 91.3 percent in 1959 in contrast to 98.8 percent in 1978. The greatest increase was among nonwhite births, for whom the frequency of hospital delivery increased from 82.0 percent in 1959 to 98.2 percent in 1978, representing a 20 percent increase during this 20 year period.

TABLE 5. PERCENTAGE OF BIRTHS OCCURRING IN HOSPITALS, BY RACE, RESIDENT DATA, TENNESSEE, 1959-1978

Year	*Total*	*White*	*Nonwhite*	*Year*	*Total*	*White*	
1959	91.3	94.0	82.0	1969	97.0	98.4	91.7
1960	92.4	95.0	83.3	1970	97.6	98.7	93.3
1961	92.8	95.2	84.4	1971	97.9	98.9	94.6
1962	93.0	95.4	84.6	1972	98.2	99.0	95.1
1963	93.5	95.9	85.1	1973	98.6	99.2	96.1
1964	94.1	96.5	85.6	1974	98.6	99.2	96.7
1965	94.5	96.8	86.7	1975	98.7	99.2	96.8
1966	95.2	97.3	87.5	1976	98.6	99.0	97.4
1967	95.6	97.6	88.3	1977	98.6	98.9	97.5
1968	96.4	98.1	90.0	1978	98.8	98.9	98.2

Residence of the mother according to type of county influenced the likelihood of hospital delivery (Table 6). Mothers (of infants born in 1978) who were residents of metropolitan counties delivered 99.0 percent of their births in hospitals; for the mothers who resided in intermediate counties, 99.4 percent of the births were delivered in hospitals; mothers residing in rural counties experienced the lowest percentage (97.8) of hospital births.

TABLE 6. PERCENTAGE OF BIRTHS OCCURRING IN HOSPITALS BY TYPE OF COUNTY, BY RACE, RESIDENT DATA, TENNESSEE, 1978

Type of County	*Total*	*White*	*Nonwhite*
Metropolitan	99.0	99.5	98.2
Intermediate	99.4	99.4	99.4
Rural	97.8	97.9	96.7

Table 7 shows the distribution of resident births according to birth weight. In 1978, the percentage of live births considered low-weight (birth weight of 2,500 grams or less) was 8.1. Of the total number of low-weight births, 65 percent were in the group weighing 2,001-2,500 grams. The percentage of nonwhite births considered low-weight was almost twice that of white births, 13.1 and 6.7, respectively. (In Bulletins for years prior to 1973, low-weight births were termed "premature".)

TABLE 7. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO WEIGHT GROUP, BY RACE, RESIDENT DATA, TENNESSEE, 1978

Weight Group	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	66,466	100.0	51,183	100.0	15,275	100.0
Low-Weight	5,410	8.1	3,409	6.7	2,001	13.1
Under 1,001 grams	368	0.6	216	0.4	152	1.0
Under 350 grams	15	0.0	13	0.0	2	0.0
350-500 grams	42	0.1	20	0.0	22	0.1
501-1,000 grams	311	0.5	183	0.4	128	0.8
1,001-1,500 grams	501	0.8	296	0.6	205	1.3
1,501-2,000 grams	1,047	1.6	647	1.3	400	2.6
2,001-2,500 grams	3,494	5.3	2,250	4.4	1,244	8.1
2,501-3,000 grams	11,754	17.7	7,831	15.3	3,922	25.7
3,001-3,500 grams	24,315	36.6	18,463	36.1	5,849	38.3
3,501-4,000 grams	18,275	27.5	15,473	30.2	2,802	18.3
4,001-4,500 grams	5,461	8.2	4,881	9.5	577	3.8
Over 4,500 grams	1,123	1.7	1,027	2.0	96	0.6
Unknown weight	128	0.2	99	0.2	28	0.2

Includes one or more births with race not stated.

In 1978, of the 66,466 resident births, 21 percent (14,189) occurred to mothers less than 20 years of age (Table 8). Nineteen percent (9,535 of 51,183) of the white births were to teenage mothers, while 30 percent (4,653 of 15,275) of the nonwhite births were to teenage mothers. Of the total 66,466 resident births, 41,885 (63 percent) were to mothers aged 20-29 years; 65 percent of the white births and 57 percent of the nonwhite births occurred to mothers in this age group.

TABLE 8. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO AGE OF MOTHER, BY RACE OF CHILD, RESIDENT DATA, TENNESSEE, 1978

Age of Mother	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	66,466	100.0	51,183	100.0	15,275	100.0
Under 15 years	359	0.5	159	0.3	200	1.3
15-19 years	13,830	20.8	9,376	18.3	4,453	29.2
20-24 years	23,776	35.8	18,338	35.8	5,436	35.6
25-29 years	18,109	27.2	14,842	29.0	3,264	21.4
30-34 years	7,880	11.9	6,534	12.8	1,346	8.8
35-39 years	2,075	3.1	1,625	3.2	449	2.9
40-44 years	416	0.6	295	0.6	121	0.8
45 years and over	19	0.0	14	0.0	5	0.0

Includes one or more births with race of child and/or age of mother not stated.

In 1978, it was stated on 62,236 or 94 percent of the birth certificates that the mother received prenatal care (Table 9). (Prenatal care is defined here as having stated on the birth certificate the "month of pregnancy prenatal care began" and that one or more "prenatal visits" were made.) On 3,363 or 5 percent of the birth certificates, it was not stated whether or not the mother had received prenatal care, and on the other 1 percent (867 certificates), the mother stated that no prenatal care was received. Mothers of 48,071 white babies or 94 percent of these mothers received prenatal care while mothers of 14,161 nonwhite babies or 93 percent received care. Almost 13 percent of the birth certificates in 1977 did not contain information whether the mother had received prenatal care, while only 5 percent of the certificates in 1978 lacked information concerning this item.

As education of mother increased, there was generally an increase in the percentage of mothers obtaining prenatal care. Care was obtained by 87 percent of the mothers with less than an eighth grade education in comparison to 97 percent of mothers with a college degree. A similar relationship was true for mothers of both white and nonwhite babies.

Care was begun during the first trimester of pregnancy of 77 percent of the mothers of white babies who received care, while 61 percent of the mothers of nonwhite babies receiving care obtained it this early. As the education of the mother increased, the earlier the mother began her prenatal care. (i.e. 56 percent of mothers with less than an eighth grade education who received care began in the first 3 months of pregnancy while 92 percent of mothers who received care and had four or more years of college began care in the first 3 months of pregnancy).

TABLE 9. LIVE BIRTHS BY NUMBER OF PRENATAL VISITS, BY MONTH OF PREGNANCY PRENATAL CARE BEGAN, BY RACE OF CHILD, RESIDENT DATA, TENNESSEE, 1978

Number of Prenatal Visits	Total	Month of Pregnancy Prenatal Care Began				
		1st - 3rd Month	4th - 6th Month	7th - 9th Month	No Care	Not Stated
			Total			
Total	66,466	45,898	13,633	2,705	867	3,363
No visits	867	-	-	-	867	-
1-4 visits	5,202	1,061	2,574	1,567	-	-
5-9 visits	16,563	8,911	6,654	998	-	-
10-14 visits	34,227	30,296	3,807	124	-	-
15-19 visits	5,411	4,894	506	11	-	-
20 or more visits	833	736	92	5	-	-
Not stated	3,363	-	-	-	-	3,363
			White			
Total	51,183	37,196	9,026	1,849	521	2,591
No visits	521	-	-	-	521	-
1-4 visits	2,554	499	1,057	998	-	-
5-9 visits	11,646	6,280	4,621	745	-	-
10-14 visits	28,905	25,829	2,977	99	-	-
15-19 visits	4,316	3,991	320	5	-	-
20 or more visits	650	597	51	2	-	-
Not stated	2,591	-	-	-	-	2,591
			Nonwhite			
Total	15,275	8,700	4,606	855	346	768
No visits	346	-	-	-	346	-
1-4 visits	2,645	561	1,516	568	-	-
5-9 visits	4,917	2,631	2,033	253	-	-
10-14 visits	5,322	4,467	830	25	-	-
15-19 visits	1,094	902	186	6	-	-
20 or more visits	183	139	41	3	-	-
Not stated	768	-	-	-	-	768

[a] Includes one or more births with race not stated.

There was an inverse relationship between the number of previous pregnancies to mothers and the receipt of prenatal care. Generally, as the number of previous pregnancies increased, the

receipt of prenatal care decreased. Ninety-four percent of mothers who gave birth to their first child in 1978 received care, while 91 percent of those with four or more previous pregnancies and 88 percent of those with six or more previous pregnancies received care. Seventy-four percent of mothers who gave birth to their first child in 1978 and who also received care had their first visit sometime during the first trimester of pregnancy, while 60 percent of those with four or more previous deliveries who received care and 51 percent of those with six or more previous deliveries received care during the first trimester of pregnancy.

Of the 66,466 resident live births in Tennessee in 1978, there were 12,069 or 18.2 percent reported as illegitimate. This represented a 10 percent increase over the percentage of births illegitimate in 1977. Of the total number of illegitimate births to residents of the State, 3,811 were white and 8,257 were nonwhite. Illegitimate births accounted for 7.4 percent of the total white births in 1978, while 54.1 percent of the total nonwhite births were illegitimate. From 1977 to 1978, the percentage of white births reported to be illegitimate increased by 10 percent while the corresponding increase in the percentage of nonwhite births reported to be illegitimate was 4 percent.

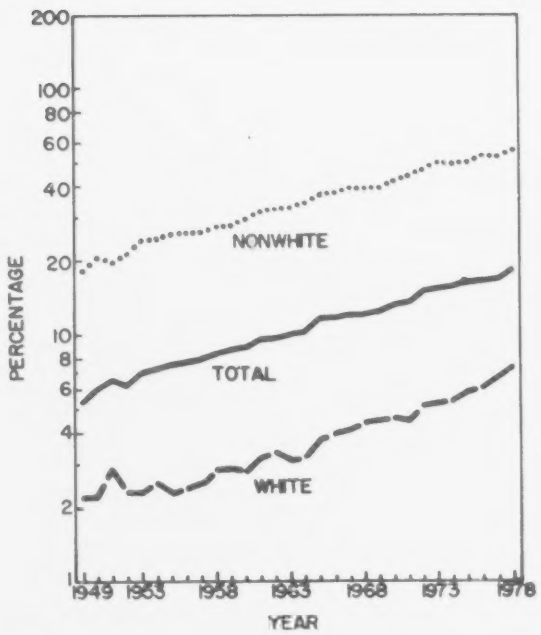

Figure 3. Percentage of Live Births Illegitimate, by Race, Resident Data, Tennessee, 1949-1978

TABLE 10. PERCENTAGE OF LIVE BIRTHS ILLEGITIMATE, BY RACE, RESIDENT DATA, TENNESSEE, 1949-1978

Year	Total	White	Non-white	Year	Total	White	Non-white
1949	5.1	2.1	18.4	1964	9.9	3.2	33.9
1950	5.8	2.1	20.6	1965	11.2	3.8	36.4
1951	6.1	2.7	19.7	1966	11.3	4.0	37.2
1952	6.0	2.2	21.1	1967	11.8	4.1	39.6
1953	6.7	2.2	24.0	1968	11.8	4.4	39.1
1954	7.0	2.4	24.6	1969	11.8	4.5	39.3
1955	7.3	2.4	25.5	1970	12.5	4.6	41.5
1956	7.6	2.5	25.7	1971	12.9	4.5	43.9
1957	7.8	2.6	26.2	1972	14.4	5.2	47.9
1958	8.0	2.7	27.3	1973	14.9	5.3	49.0
1959	8.4	2.8	27.8	1974	14.9	5.4	49.3
1960	8.7	2.7	29.4	1975	15.8	5.9	50.6
1961	9.3	3.0	31.3	1976	16.5	6.1	53.3
1962	9.5	3.1	32.1	1977	16.6	6.7	52.2
1963	9.7	3.1	32.8	1978	18.2	7.4	54.1

Table 10 and Figure 3 show the percentages of births by race which were illegitimate for the 30 years, 1949-1978. The percentages reported to be illegitimate for nonwhite births were 7 to 11 times those for the white births throughout this 30-year period. The percentage of total births reported to be illegitimate also increased gradually from 5 to 18 percent during the years 1949-1978. Completeness of registration and more truthful reporting of illegitimacy probably contributed to this increase in the relative frequency of illegitimate births.

In 1978, there were 5,744 births recorded in Tennessee to mothers who were residents of other states and 2,008 births recorded in other states to Tennessee mothers. The recorded birth rate of 16.1 per 1,000 population was higher than the resident rate of 15.3. Both rates in 1978 were lower than in 1977 when the recorded birth rate was 16.3 and the resident rate, 15.5.

Fetal Deaths: Reporting of all fetal deaths of 20 completed weeks or more of gestation or a weight of 350 grams or more is required in Tennessee. (Before January 1, 1978, only those fetal deaths of 20 or more weeks of gestation were required to be registered.) In 1978, there were 695 reported fetal deaths to mothers who were residents of the State. The fetal death ratio of 10.5 per 1,000 live births in 1978 was a new record low and was 12 percent lower than the previous low ratio of 11.9 established in 1977.

Of the 695 fetal deaths reported as resident events, 98 percent were delivered in hospitals. During the past 20 years, there has been an increase in the percentage of fetal deaths delivered in hospitals similar to that for live births. In 1978, the percentage of hospital deliveries was slightly lower for total, white, and nonwhite fetal deaths than for corresponding live births.

The distribution of reported fetal deaths by weight at delivery in 1978 is given in Table 11, which shows 62.6 percent classified as low-weight (2,500 grams or less) compared with 63.8 percent in 1977. Of the 463 white fetal deaths in 1978, there were 268 or 57.9 percent classified as low-weight compared to 72.0 percent (167 of 232) for the nonwhite.

TABLE 11. NUMBER AND PERCENTAGE OF FETAL DEATHS ACCORDING TO WEIGHT GROUP, BY RACE. RESIDENT DATA, TENNESSEE, 1978

Weight Group	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	695	100.0	463	100.0	232	100.0
Low-Weight	435	62.6	268	57.9	167	72.0
Under 1,001 grams	230	33.1	134	28.9	96	41.4
Under 350 grams	29	4.2	18	3.9	11	4.7
350-500 grams	34	4.9	22	4.8	12	5.2
501-1,000 grams	167	24.0	94	20.3	73	31.5
1,001-1,500 grams	66	9.5	47	10.2	19	8.2
1,501-2,000 grams	71	10.2	42	9.1	29	12.5
2,001-2,500 grams	68	9.8	45	9.7	23	9.9
Over 2,500 grams	189	27.2	148	32.0	41	17.7
Unknown weight	71	10.2	47	10.2	24	10.3

Causes of fetal deaths were classified according to the *Eighth Revision International Classification of Diseases, Adapted*, 1965. Table 12 shows the underlying causes of the 695 fetal deaths by race in 1978.

Conditions of placenta was the reported leading cause of the total, white, and nonwhite fetal deaths in 1978 (as it was in 1977). Conditions of umbilical cord was the second leading cause of both total and white fetal deaths, while maternal conditions unrelated to pregnancy was the second leading cause of nonwhite fetal deaths.

TABLE 12. NUMBER AND PERCENTAGE OF FETAL DEATHS ACCORDING TO CAUSE, BY RACE. RESIDENT DATA, TENNESSEE, 1978

Cause of Fetal Death	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	695	100.0	463	100.0	232	100.0
Congenital anomalies (740-759)	43	6.2	37	8.0	6	2.6
Maternal conditions unrelated to pregnancy (760, 761)	27	3.9	16	3.5	11	4.7
Toxemia of pregnancy, maternal antepartum and intrapartum infection (762, 763)	24	3.5	15	3.2	9	3.9
Difficult labor with mention of birth injury ([764-768].[.0-.3])	-	-	-	-	-	-
Difficult labor without mention of birth injury ([764-768].[.4, .9])	16	2.3	12	2.6	4	1.7
Other complications of pregnancy and childbirth (769)	36	5.2	27	5.8	9	3.9
Conditions of placenta (770)	177	25.5	122	26.3	55	23.7
Conditions of umbilical cord (771)	73	10.5	64	13.8	9	3.9
Hemolytic disease (774, 775)	5	0.7	4	0.9	1	0.4
Anoxic and hypoxic conditions not elsewhere classifiable (776)	15	2.2	9	1.9	6	2.6
Other and ill-defined causes	69	9.9	44	9.5	25	10.8
Unknown or not stated (779)	210	30.2	113	24.4	97	41.8

For 30 percent of the total fetal deaths in 1978, the cause was unknown or not stated.

Abortions: In 1978 in Tennessee, 18,889 induced terminations of pregnancy were reported by hospitals, abortion clinics, and physicians' offices. There were 269.1 abortions per 1,000 live births recorded in 1978, compared to a ratio of 235.2 recorded in 1977.

In 1978, of the 18,889 women who received abortions in Tennessee, 15,015 were residents of the State. The nonresident women receiving abortions in Tennessee in 1978 were reported to be residents of 31 other states, the District of Columbia, Canada, and one foreign country. There is no interstate exchange of reports (as there is for certificates of births and deaths); hence, the data presented in this report include only abortions occurring in Tennessee.

TABLE 13. NUMBER OF REPORTED INDUCED ABORTIONS ACCORDING TO WOMAN'S RACE WITH RATIOS PER 1,000 RECORDED LIVE BIRTHS, TENNESSEE, 1974-1978

Year	Total		White		Nonwhite	
	Number	Ratio	Number	Ratio	Number	Ratio
1974	°7,406	109.1	5,420	##	1,478	##
1975	°11,081	168.5	8,483	166.4	2,330	157.7
1976	16,967	258.5	10,840	212.4	3,259	223.2
1977	°16,463	235.2	12,297	225.5	3,675	238.1
1978	°18,889	269.1	14,737	272.8	4,073	251.8

° Includes abortions with race not stated.
##Data not available to compute ratios by race.

In 1978, of the women undergoing induced abortions in Tennessee, 14,737 were white and 4,073 were nonwhite. The ratio of abortions per 1,000 live births was higher for the white than for nonwhite women (272.8 and 251.8, respectively). The ratio for the white in 1978 increased by 21 percent over the ratio (225.5) recorded in 1977; also, the ratio for the nonwhite women increased by 6 percent over the ratio (238.1) for the preceding year. The racial distribution of induced abortions is very similar to the racial distribution of the recorded live births in Tennessee for 1978. For 5 years of data by race, see Table 13.

TABLE 14. NUMBER AND PERCENT DISTRIBUTION OF REPORTED INDUCED ABORTIONS ACCORDING TO WOMAN'S AGE AND RACE, TENNESSEE, 1978

Age of Woman	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	°18,889	100.0	14,737	100.0	4,073	100.0
Under 15 years	°251	1.3	155	1.1	95	2.3
15-19 years	6,200	32.8	5,091	34.5	1,096	26.9
20-24 years	6,501	34.4	5,018	34.1	1,456	35.7
25-29 years	°3,278	17.4	2,404	16.3	858	21.1
30-34 years	°1,548	8.2	1,188	8.1	350	8.6
35-39 years	°747	4.0	603	4.1	141	3.5
40-44 years	°232	1.2	183	1.2	48	1.2
45 years and over	18	0.1	15	0.1	3	0.1
Not stated	°114	0.6	80	0.5	26	0.6

° Includes abortions with race not stated.

Of the total number of women obtaining induced abortions in Tennessee in 1978, approximately one-third were 19 years of age and under, one-third were between 20 and 24 years of age, and one-third were 25 years of age or older. This distribution varied slightly according to the race of the woman, (see Table 14).

In 1978 as in 1977, suction curettage was the most frequently reported method of induced abortion (97 percent). The second most frequently reported method in 1978 was intra-uterine prostaglandin instillation (representing 1 percent of the total) which was a change in preference of type of procedure from the saline instillation which accounted for 2 percent of the procedures reported in 1977, but only 0.2 percent in 1978. The other types of procedures (sharp curettage, hysterectomy, and hysterotomy) were used in less than 1 percent of the induced abortions in 1978.

The data are given in more detail in *Induced Abortions Reported In Tennessee, 1978* which was prepared in this Department.

Deaths: During 1978, deaths to Tennessee residents numbered 38,654 which reflected a 1 percent decrease from the 39,080 deaths in 1977. The death rate of 8.9 per 1,000 population for 1978 represented a 2 percent decrease from the rate of 9.1 in 1977 and was the lowest death rate for the State since 1956 (when the rate was 8.6).

In 1978, the 31,964 deaths among the white race showed only a slight decrease from the comparable 32,110 deaths for 1977, while the 6,690 deaths of nonwhites in 1978 showed a 4 percent decrease from the 6,970 nonwhite deaths for 1977. For the white race in 1978, the death rate of 8.7 per 1,000 white population represented a 2 percent decrease from the comparable rate of 8.9 for the preceding year; the death rate of 9.9 (per 1,000 nonwhite population) for the nonwhite in 1978, a new record low, showed a 5 percent decrease from the rate for the preceding year.

Since death rates vary by age, the crude death rate is affected by the age composition of the population. In order to remove the effect of the changing age distribution of the population, age-adjusted death rates have been computed by race for the years of 1959-1978 and are shown in Table 15 and Figure 4. These adjusted rates have been obtained using the direct method and the total enumerated population of the United States in 1940 as a standard. (In the Bulletins for the years 1971-1976, the age-adjusted rates were obtained using the Census population of Tennessee for 1950.) The Census population of the United States for 1940 is frequently used as a standard; thus, the Tennessee age-adjusted death rates can be readily compared to other death rates which have been age-adjusted to the same standard.

If the age composition of the population of Tennessee had been the same in 1978 as that of the United States in 1940, the death rate for the total population would have been 6.4 per 1,000 population (rather than the crude rate of 8.9). This adjusted rate for 1978 was 18 percent lower than the comparable rate for 1959, while the crude death rate for 1978 was 1 percent lower than the crude rate for 1959. In the current population, there is an increased number of older persons among whom the risk of death is greatest. The progress made in reducing mortality during the last 20 years is concealed in comparison of crude death rates due to a larger proportion of older people in the population. During this same period, the age-adjusted death rate for the white population declined by 17 percent, while the rate for the nonwhite showed a 19 percent decline. The racial differential in mortality is more accurately portrayed when the factor of differing age distributions is removed. The age-adjusted death rate for the nonwhite population in 1978 was 47 percent higher than that for the white; whereas, comparison of the crude death rates showed the rate for the nonwhite only 14 percent higher than the rate for the white population.

TABLE 15. AGE-ADJUSTED[1] DEATH RATES PER 1,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1959-1978

Year	Total	White	Non-white	Year	Total	White	Non-white
1959	7.8	7.2	10.9	1969	7.7	7.2	10.9
1960	7.9	7.3	11.2	1970	7.7	7.2	10.5
1961	7.7	7.1	10.8	1971	7.5	7.0	10.1
1962	7.9	7.3	11.2	1972	7.6	7.1	10.2
1963	8.1	7.5	11.4	1973	7.5	7.0	10.5
1964	7.8	7.2	11.1	1974	7.3	6.8	10.1
1965	7.7	7.2	10.5	1975	6.9	6.5	9.7
1966	7.8	7.2	10.8	1976	6.8	6.5	9.2
1967	7.6	7.1	10.3	1977	6.6	6.2	9.3
1968	7.8	7.2	11.2	1978	6.4	6.0	8.8

[1] Adjusted to age distribution of 1940 Census population of the United States.

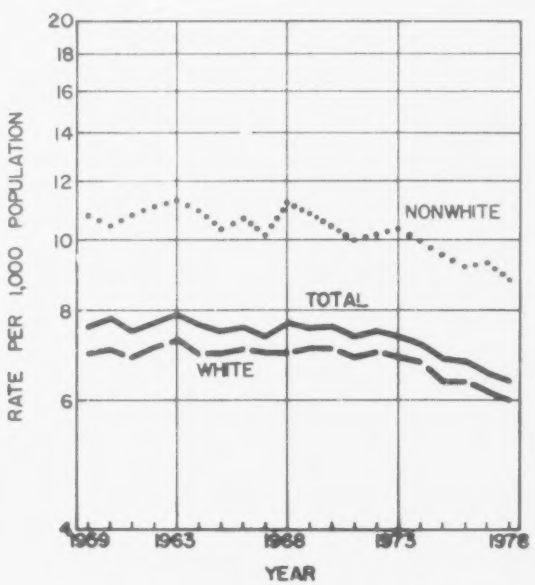

Figure 4. Age-Adjusted Death Rates per 1,000 Population, by Race, Resident Data, Tennessee, 1959-1978

Age-specific death rates by race and sex for 1978 are given in Table 16. In the total population, death rates were high for infants but were low during the childhood years; there was a gradual increase in rates for those ages 15 through 34 years, after which rates increased sharply and were very high for the age group 75 years and older. The death rates for the white and nonwhite populations followed, in general, the same age pattern as that for the total; however, the rates for the nonwhite were at a higher level than those for the white at every age except for those 15-19 years and 75 years and over. Mortality was higher among males than among females for each age group in both races except among both the white and nonwhite population 1-4 years of age. White males in every age group 10-74 years experienced death rates at least twice as high as those of white females of comparable ages.

TABLE 16. DEATH RATES PER 1,000 POPULATION BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1978

		White			Nonwhite		
Age Group	*Total*	*Total*	*Male*	*Female*	*Total*	*Male*	*Female*
All ages	8.9	8.7	10.1	7.4	9.9	11.5	8.5
Under 1 year †	14.8	13.0	14.8	11.0	20.8	21.2	20.3
1-4 years	0.6	0.6	0.6	0.6	0.8	0.7	0.9
5-9 years	0.3	0.3	0.4	0.3	0.4	0.6	0.2
10-14 years	0.4	0.4	0.5	0.2	0.5	0.6	0.3
15-19 years	1.1	1.2	1.7	0.6	1.1	1.3	0.8
20-24 years	1.5	1.4	2.2	0.7	1.6	2.4	0.9
25-29 years	1.3	1.1	1.7	0.6	2.1	3.1	1.3
30-34 years	1.4	1.3	1.8	0.7	2.8	4.6	1.3
35-44 years	2.6	2.3	3.3	1.5	4.7	6.8	3.2
45-54 years	6.3	5.6	7.8	3.6	11.6	16.1	8.3
55-64 years	15.0	13.8	20.3	8.2	24.3	32.4	18.0
65-74 years	31.2	29.5	42.9	19.6	42.6	55.1	33.3
75 years and over	87.3	88.6	107.3	78.2	79.9	95.6	69.7

†Rate per 1,000 live births

Death rates by race according to type of county in 1978 are shown in Table 17. The risk of death (9.7 per 1,000 population) was greatest for residents of the rural counties. For the populations of the metropolitan and intermediate counties, the death rates were 8.5 and 8.4, respectively. The death rate for the white population varied inversely with the urban character of the county, with metropolitan counties having the lowest death rates. In the nonwhite population, the death rate varied directly with the urban character of the county, with metropolitan counties having the highest death rates. Age distribution of the population, availability of health resources, and completeness of registration are factors to be considered in interpreting data shown in this table.

TABLE 17. DEATH RATES PER 1,000 POPULATION BY TYPE OF COUNTY, BY RACE, RESIDENT DATA, TENNESSEE, 1978

Type of County	*Total*	*White*	*Nonwhite*
Metropolitan	8.5	8.0	10.1
Intermediate	8.4	8.3	10.1
Rural	9.7	9.8	8.9

The seasonal distribution of deaths in 1978 is shown in Table 18. There was an average of 106 deaths per day. These averages varied by month with the lowest, 97 deaths per day, occurring during September. The highest average number of deaths per day (124) was experienced in January.

TABLE 18. NUMBER OF DEATHS BY MONTH WITH AVERAGE PER DAY, RESIDENT DATA, TENNESSEE, 1978

Month	*Number*	*Average per day*	*Month*	*Number*	*Average per day*
Total	38,654	105.9	June	3,132	104.4
			July	3,078	99.3
January	3,840	123.9	August	3,072	99.1
February	3,317	118.5	September	2,917	97.2
March	3,301	106.5	October	3,220	103.9
April	3,106	103.5	November	3,095	103.2
May	3,126	100.6	December	3,456	111.5

In 1978, the number of deaths to Tennessee residents numbered 38,654 or 2,452 fewer than the 41,106 deaths recorded in Tennessee. Thus, there were more deaths of nonresidents which occurred in Tennessee (3,542) than there were deaths of Tennessee residents which occurred in other states (1,090). The recorded death rates for the large cities of Tennessee were high because of many deaths of residents of the rural areas of Tennessee or of nearby states which occurred in the hospitals of these Tennessee cities.

Infant Mortality: In Tennessee during 1978, there were 981 resident infant deaths, giving an infant mortality rate of 14.8 per 1,000 live births. The number of deaths was 4 percent lower than the 1,022 infant deaths in 1977, while the rate was 3 percent lower than that for 1977. Both the number and rate for 1978 were record lows in mortality for this age group (records were first kept in 1934).

White infants experienced 664 deaths or an infant mortality rate of 13.0 per 1,000 white live births in 1978; among nonwhite infants, there were 317 deaths, corresponding to a rate of 20.8 per 1,000 nonwhite live births. Both the number of infant deaths and the infant mortality rate were record lows for the white and nonwhite racial groups.

The trend of the infant mortality rate for the past 20 years has been downward (as shown in Figure 5). The numbers of deaths and the infant mortality rates for the years 1959-1978 are given in Table I.

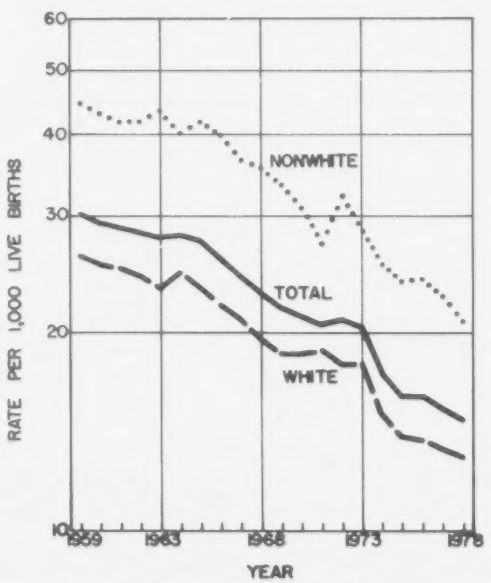

Figure 5. Infant Mortality Rates per 1,000 Live Births by Race, Resident Data, Tennessee, 1959-1978

In 1978, deaths of male infants numbered 554 and of female infants, 426. The mortality rate of 16.2 per 1,000 live births experienced by male infants was 23 percent higher than the rate of 13.2 for female infants.

Infant mortality rates according to type of resident county are given in Table 19. The lowest risk of mortality was to white infants who were residents of intermediate and metropolitan counties. The greatest risk of mortality was to nonwhite infants in the rural counties. The racial differential was greatest in the rural counties where mortality among nonwhite infants was 136 percent higher than that for the white. There was greater differential in infant mortality by type of county among the nonwhite population than among the white.

TABLE 19. INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS BY TYPE OF COUNTY, BY RACE, RESIDENT DATA, TENNESSEE, 1978

Type of County	*Total*	*White*	*Nonwhite*
Metropolitan	14.8	12.4	18.5
Intermediate	13.2	12.4	19.3
Rural	16.3	14.1	33.3

Table 20 gives the number of resident infant deaths by broad groups of causes for 1978. The major group, certain causes of mortality in early infancy (ICDA code numbers 760-778), accounted for 460 or 47 percent of the infant deaths. Congenital anomalies were responsible for 179 deaths or 18 percent of the total; accidents accounted for 43 deaths or 4 percent; and influenza and pneumonia accounted for 35 deaths or 4 percent of the total number of infant deaths in 1978. Mortality rates per 1,000 live births for nonwhite infants were higher than for white infants for all of the broad cause groups except for influenza and pneumonia and birth injuries.

TABLE 20. NUMBER OF INFANT DEATHS BY CAUSE WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RESIDENT DATA, TENNESSEE, 1978

	Total		*White*		*Nonwhite*	
Cause of Death	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*
Total	981	14.8	664	13.0	317	20.8
Certain gastro-intestinal diseases (004,006-009, 535,561,563)	29	0.4	14	0.3	15	1.0
Influenza and pneumonia (470-474, 480-486)	35	0.5	27	0.5	8	0.5
Congenital anomalies (740-759)	179	2.7	135	2.6	44	2.9
Birth injuries ([764-768] [.0-.3], 772)	14	0.2	12	0.2	2	0.1
Asphyxia of newborn, unspecified (776.9)	100	1.5	70	1.4	30	2.0
Immaturity, unqualified (777)	101	1.5	64	1.3	37	2.4
Other diseases of early infancy (remainder of 760-778)	245	3.7	158	3.1	87	5.7
Accidents (800-949)	43	0.6	31	0.6	12	0.8
All other specific causes	133	2.0	82	1.6	51	3.3
Ill-defined and unknown causes (780-796)	102	1.5	71	1.4	31	2.0

Infant deaths by age at death and by race with rates per 1,000 live births are shown for 1978 in Table 21. Seventy percent (or 691) of the 1981 infant deaths occurred during the neonatal period, that is, during the first 27 days of life. The neonatal mortality rate in 1978 was 10.4 per 1,000 live births, compared with 10.8 in 1977. Of the 691 neonatal deaths in 1978, white infants experienced 461 deaths and the nonwhite, 230 deaths; corresponding rates were 9.0 per 1,000 white live births and 15.1 per 1,000 nonwhite births. The neonatal mortality rates for the total, white, and nonwhite infants in 1978 were record lows. In 1978, the neonatal mortality rate for the nonwhite infants was 68 percent higher than that for the white, a racial differential which represented a decrease compared to that for 1977 when the neonatal mortality rate for the nonwhite was 72 percent higher than that for the white.

Fifty-four percent (371) of the 691 neonatal deaths occurred among infants under 1 day of age, and an additional 27 percent or 188 died at 1-6 days of age; thus, 81 percent of the neonatal deaths occurred within the first week of life.

TABLE 21. NUMBER OF INFANT DEATHS BY AGE AT DEATH WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RESIDENT DATA, TENNESSEE, 1978

	Total		*White*		*Nonwhite*	
Age at Death	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*
Total, under 1 year	981	14.8	664	13.0	317	20.8
Neonatal (under 28 days)	691	10.4	461	9.0	230	15.1
Under 1 day	371	5.6	242	4.7	129	8.4
1-6 days	188	2.8	129	2.5	59	3.9
7-27 days	132	2.0	90	1.8	42	2.7
Under 1 month	699	10.5	466	9.1	233	15.3
1 month	74	1.1	57	1.1	17	1.1
2 months	51	0.8	35	0.7	16	1.0
3 months	29	0.4	24	0.5	5	0.3
4 months	37	0.6	18	0.4	19	1.2
5 months	26	0.4	15	0.3	11	0.7
6 months	20	0.3	15	0.3	5	0.3
7 months	14	0.2	13	0.3	1	0.1
8 months	10	0.2	8	0.2	2	0.1
9 months	7	0.1	4	0.1	3	0.2
10 months	9	0.1	5	0.1	4	0.3
11 months	5	0.1	4	0.1	1	0.1

Mortality in the postneonatal period is much lower than in the neonatal period (see Figure 6). In 1978, there were 290 postneonatal deaths with a rate of 4.4 deaths per 1,000 live births. The postneonatal mortality rate of 4.0 per 1,000 live births for white infants was slightly higher than the comparable rate of 3.9 for that racial group in 1977. The postneonatal rate of 5.7 for the nonwhite in 1978 decreased from the comparable rate of 6.8 in the preceding year.

Maternal Mortality: Ten Tennessee residents were reported to have died in 1978 from complications of pregnancy, childbirth and the puerperium, giving a maternal mortality rate of 1.5 deaths per 10,000 live births. In 1977, there were 16 deaths from this cause, corresponding to a rate of 2.4. Of the 10 deaths in 1978, white women accounted for 4 and nonwhite, 6. The maternal mortality rate (0.8) for the white population was about one-fifth the rate (3.9) for the nonwhite.

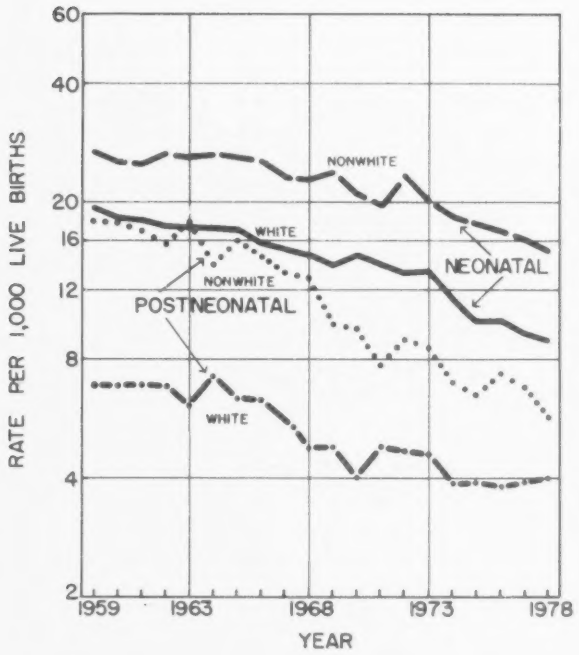

Figure 6. Infant Mortality Rates per 1,000 Live Births According to Neonatal and Postneonatal Periods, by Race, Resident Data, Tennessee, 1959-1978

Causes of maternal deaths were as follows: hemorrhage of childbirth (1); abortion (1); and other complications of pregnancy and childbirth (8).

Mortality in Childhood: During the year 1978, there were 406 deaths to children 1-14 years of age. Of these, 202 or 50 percent were the results of accidental injuries.

Children 1-4 years of age experienced 153 deaths, which gave a death rate of 0.6 per 1,000 population. For white children in this age group, the rate was 0.6 and for nonwhite, 0.8. The most frequently stated cause of death for those in the age group 1-4 years was accidents, with 76 deaths reported as due to this cause. Other important causes with the corresponding numbers of death were: congenital anomalies, 21 deaths; malignant neoplasms, 12 deaths; and influenza and pneumonia, 7 deaths.

For the age group 5-9 years, there were 114 deaths and for those ages 10-14 years, 139 deaths. The mortality rates from all causes for each of these two age groups were low, 0.3 for the age group 5-9 years and 0.4 for those ages 10-14 years.

Accidents ranked as the leading cause of death in both age groups, with 54 deaths from this cause in the younger group and 72 in the older. The second leading cause of death for both age groups was malignant neoplasms (with 23 deaths in the group 5-9 years of age and 20 deaths for children ages 10-14 years). For children ages 5-9 years, congenital anomalies accounted for seven deaths, and diseases of the heart, six deaths. For those ages 10-14 years, there were four deaths from suicide and three deaths each from congenital anomalies, the group influenza and pneumonia, and diseases of heart.

Principal Causes of Death: The groupings of principal causes of death in the tables that follow are in accordance with national recommendations.

TABLE 22. PRINCIPAL CAUSES OF DEATH WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1978

Cause of Death	*Deaths* *Number*	*Rate*
All causes	38,654	887.2
1. Diseases of heart (390-398, 402, 404, 410-429)	13,985	321.0
2. Malignant neoplasms (140-209)	7,521	172.6
3. Cerebrovascular disease (430-438)	4,283	98.3
4. Accidents (800-949)	2,460	56.5
5. Influenza and pneumonia (470-474, 480-486)	1,159	26.6
6. Arteriosclerosis (440)	615	14.1
7. Suicide (950-959)	548	12.6

The 7 principal causes of death, as shown in Table 22 and Figure 7 accounted for 30,571 (79 percent of the total 38,654) deaths of Tennessee residents in 1978. These seven principal causes of death were the same as in 1977; however, arteriosclerosis and suicide which were sixth and seventh, respectively, in 1978, were in reverse order in the preceding year. From 1977 to 1978, death rates for influenza and pneumonia and for arteriosclerosis increased by 7 and 4 percent, respectively. Five of the leading causes reflected decreases in the death rates between 1977 and 1978; the greatest decrease (8 percent) was in the death rate for suicide, while there were decreases of 7, 4, 2, and 1 percent, respectively, in the death rates for cerebrovascular disease, diseases of heart, malignant neoplasms, and accidents.

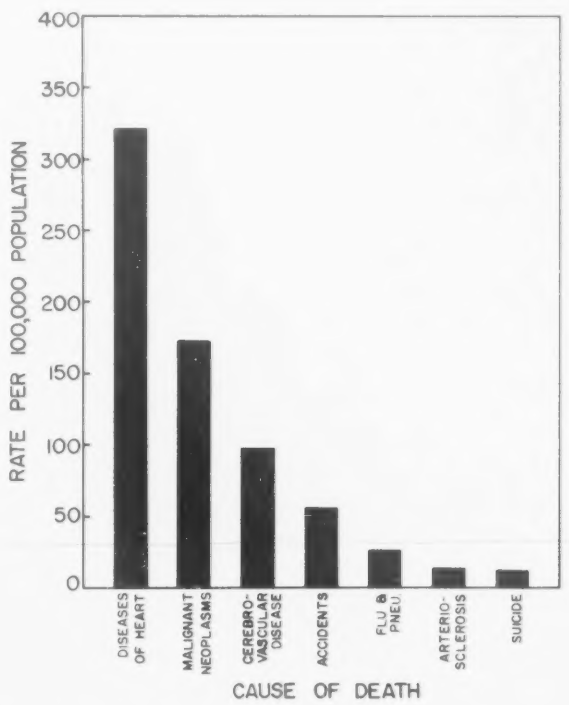

Figure 7. Death Rates per 100,000 Population for the Principal Causes, Resident Data, Tennessee, 1978

The seven principal causes of death for males and for females for 1978 are shown in Table 23. For males the causes were the same and in the same rank order as in 1977. For females, the first five leading causes were the same and in the same rank order as in 1977; however, arteriosclerosis and diabetes mellitus, which were sixth and seventh, respectively, in 1978, were in reverse order in the preceding year. Of the five leading causes common to both sex groups, death rates were higher for males than for females with the exception of cerebrovascular disease. Of the four leading causes for which death rates for the male population were higher than those for the female, the greatest relative excess was for accidental deaths, where the rate for males was almost three times that for females.

TABLE 23. PRINCIPAL CAUSES OF DEATH WITH RATES PER 100,000 POPULATION, BY SEX, RESIDENT DATA, TENNESSEE, 1978

Cause of Death	*Deaths* Number	Rate
Male		
All causes	21,591	1,028.2
1. Diseases of heart (390-398, 402, 404, 410-429)	7,729	368.1
2. Malignant neoplasms (140-209)	4,293	204.4
3. Cerebrovascular disease (430-438)	1,858	88.5
4. Accidents (800-949)	1,794	85.4
5. Influenza and pneumonia (470-474, 480-486)	592	28.2
6. Suicide (950-959)	410	19.5
7. Homicide (960-978)	374	17.8
Female		
All causes	17,062	755.9
1. Diseases of heart (390-398, 402, 404, 410-429)	6,256	277.2
2. Malignant neoplasms (140-209)	3,228	143.0
3. Cerebrovascular disease (430-438)	2,425	107.4
4. Accidents (800-949)	666	29.5
5. Influenza and pneumonia (470-474, 480-486)	567	25.1
6. Arteriosclerosis (440)	393	17.4
7. Diabetes mellitus (250)	308	13.6

Mortality by cause differs by age group (see Table 24 for the principal causes of death for five adult age groups). For the first three age groups, only five causes are shown due to the small numbers of deaths involved. For the two older age groups, the larger numbers of deaths make the listing of seven causes meaningful. Detailed data regarding causes by race, sex, and age are given in Table IV.

For the age group 15-24 years, accidents accounted for 639 or more than one-half of the 1,064 deaths in this age group. Homicide ranked second, followed by suicide, malignant neoplasms, and congenital anomalies. It is noteworthy that over three-fourths of all deaths in this age group were from external causes which are potentially amenable to prevention. In 1978, the principal causes of death for this age group were the same and in the same rank order except for congenital anomalies which replaced diseases of heart, the fifth ranking cause for this age group (15-24 years), in 1977.

In 1978, the five leading causes of death for the age group 25-34 years were the same as for the preceding age group except that diseases of heart was the fifth leading cause in the group 25-34 years of age, whereas, congenital anomalies was the fifth leading cause for those 15-24 years of age. Decreases in death rates between 1977 and 1978 were reflected in all causes in this age group except homicide.

For ages 35-44 years, the five principal causes of death were the same as those for the preceding age group but in a different rank order. Diseases of heart was the leading cause of death for this age group, followed by malignant neoplasms, accidents, suicide, and homicide. These five leading causes for 1978 were the same and in the same rank order as for the preceding year.

TABLE 24. PRINCIPAL CAUSES OF DEATH FOR FIVE AGE GROUPS WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1978

Cause of Death	*Deaths* Number	Rate
15-24 Years		
All causes	1,064	130.8
1. Accidents (800-949)	639	78.6
2. Homicide (960-978)	101	12.4
3. Suicide (950-959)	81	10.0
4. Malignant neoplasms (140-209)	57	7.0
5. Congenital anomalies (740-759)	21	2.6
25-34 Years		
All causes	931	136.8
1. Accidents (800-949)	355	52.1
2. Homicide (960-978)	145	21.3
3. Malignant neoplasms (140-209)	97	14.2
4. Suicide (950-959)	91	13.4
5. Diseases of heart (390-398, 402, 404, 410-429)	59	8.7
35-44 Years		
All causes	1,280	262.8
1. Diseases of heart (390-398, 402, 404, 410-429)	273	56.1
2. Malignant neoplasms (140-209)	262	53.8
3. Accidents (800-949)	225	46.2
4. Suicide (950-959)	85	17.5
5. Homicide (960-978)	77	15.8
45-64 Years		
All causes	9,132	1,038.5
1. Diseases of heart (390-398, 402, 404, 410-429)	3,191	362.9
2. Malignant neoplasms (140-209)	2,702	307.3
3. Cerebrovascular disease (430-438)	545	62.0
4. Accidents (800-949)	469	53.3
5. Cirrhosis of liver (571)	214	24.3
6. Suicide (950-959)	183	20.8
7. Influenza and pneumonia (470-474, 480-486)	161	18.3
65 Years and Over		
All causes	24,857	5,200.2
1. Diseases of heart (390-398, 402, 404, 410-429)	10,410	2,177.8
2. Malignant neoplasms (140-209)	4,345	909.0
3. Cerebrovascular disease (430-438)	3,638	761.1
4. Influenza and pneumonia (470-474, 480-486)	907	189.7
5. Arteriosclerosis (440)	595	124.5
6. Accidents (800-949)	526	110.0
7. Diabetes mellitus (250)	344	72.0

Accidents, the leading cause of death for the two preceding age groups dropped to third place for the age group 35-44 years. However, for the broad group of persons 1-44 years of age, accidents ranked above all other causes and accounted for 39 percent of the deaths to this age group.

As in the preceding age group 35-44 years, diseases of heart was also the leading cause of death for those 45-64 years of age and accounted for 35 percent of the deaths. Malignant neoplasms ranked second followed by cerebrovascular disease and accidents. Cirrhosis of liver, which was not a principal cause of death for the

younger age groups, ranked fifth for the ages 45-64 years. Suicide was sixth, and influenza and pneumonia ranked seventh, replacing diabetes mellitus, the seventh leading cause for this age group in 1977.

Sixty-four percent of the 38,654 deaths of Tennessee residents in 1978 were of persons 65 years of age and older. The principal cause of death in this age group (as in the 2 immediately preceding age groups) was diseases of heart, which accounted for 10,410 deaths (42 percent). Malignant neoplasms ranked second followed by cerebrovascular disease, influenza and pneumonia, arteriosclerosis, accidents, and diabetes mellitus. One of these causes, diabetes mellitus, did not rank as a leading cause of death for the younger age groups. The seven principal causes of death for ages 65 years and over were the same and in the same rank in 1978 as in 1977.

Tuberculosis: In 1978, the deaths of 78 Tennessee residents were reported to be due to tuberculosis, giving a death rate of 1.8 per 100,000 population. Of these deaths, 61 occurred in the white population and 17, in the nonwhite. In 1978, the death rates were 1.7 for the white population and 2.5 for the nonwhite; comparable rates for tuberculosis in 1977 were 2.8 and 3.4, respectively. Mortality from tuberculosis was higher for males in the nonwhite group than for females, but in the white group, mortality was higher for females than for males. There were two deaths occurring to persons under 35 years of age from this cause.

Syphilis and Its Sequelae: In 1978, no deaths were reported from syphilis and its sequelae. This was the first time no deaths have been reported from this cause since records have been kept in 1933.

Acute Infective Diseases: In 1978, there was not a single death from typhoid fever, diphtheria, whooping cough, streptococcal sore throat and scarlet fever, acute poliomyelitis, or measles.

Two deaths each were attributed to Rocky Mountain spotted fever and to the group bacillary dysentery and amebiasis. Acute viral encephalitis accounted for 3 deaths; meningococcal infection accounted for 12 deaths; and enteritis and other diarrheal diseases accounted for 47 deaths.

Malignant Neoplasms: Malignant neoplasms, the second leading cause of mortality to residents of Tennessee in 1978, accounted for 7,521 deaths or a rate of 172.6 per 100,000 population. The number of deaths in 1978 reflected a slight decrease (0.3 percent) from the 7,543 deaths in 1977; the death rate in 1978 showed a 2 percent decrease from the rate of 175.5 in the preceding year. In 1978, the white population experienced 6,258 deaths from this cause, corresponding to a rate of 170.0 per 100,000 white population while the nonwhite deaths numbered 1,263, with a rate of 186.9 per 100,000 nonwhite population. Comparable death rates for white and nonwhite populations in 1977 were 172.1 and 193.8, respectively.

TABLE 25. NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS ACCORDING TO PRIMARY SITE WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1978

Primary Site	Total		White		Nonwhite	
	Number	Rate	Number	Rate	Number	Rate
Total	7,521	172.6	6,258	170.0	1,263	186.9
Buccal cavity and pharynx (140-149)	146	3.4	122	3.3	24	3.6
Digestive organs and peritoneum (150-159)	1,763	40.5	1,418	38.5	345	51.1
Respiratory system (160-163)	2,077	47.7	1,798	48.8	279	41.3
Breast (174)	602	13.8	504	13.7	98	14.5
Uterus (180-182)	222	5.1	168	4.6	54	8.0
Other female genital organs (183, 184)	215	4.9	193	5.2	22	3.3
Male genital organs (185-187)	435	10.0	315	8.6	120	17.8
Urinary organs (188, 189)	317	7.3	265	7.2	52	7.7
Skin (172, 173)	161	3.7	154	4.2	7	1.0
Other and unspecified organs (170, 171, 190-199)	870	20.0	711	19.3	159	23.5
Leukemia (204-207)	295	6.8	260	7.1	35	5.2
Other neoplasms of lymphatic and hematopoietic tissue (200-203, 208, 209)	418	9.6	350	9.5	68	10.1

Mortality from malignant neoplasms varied according to primary site (as shown in Table 25 and Figure 8). In 1978, the most frequently stated primary site was the respiratory system for which the death rate (47.7 per 100,000 population) reflected a 1 percent

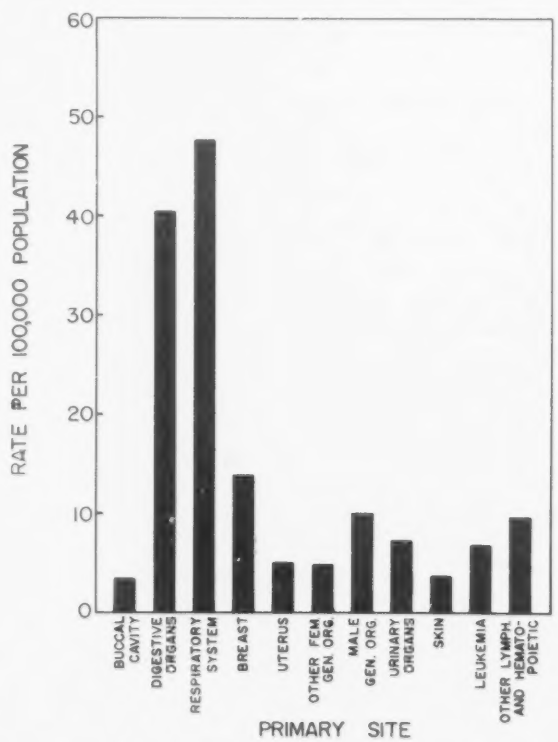

Figure 8. Death Rates per 100,000 Population for Malignant Neoplasms According to Primary Site, Resident Data, Tennessee, 1978

increase over the comparable rate (47.4) in 1977; the digestive organs and peritoneum, for which the death rate in 1978 was 40.5, ranked second and showed a 6 percent decrease from the rate of 42.9 for the preceding year. These 2 sites together accounted for 3,840 or approximately one-half (51 percent) of the total deaths from malignant neoplasms. Other sites reflecting increases were: breast (2 percent); urinary organs (9 percent); skin (23 percent); and other and unspecified organs (2 percent). In 1978, the death rates for malignant neoplasms of the buccal cavity and pharynx and of the uterus represented the greatest relative decreases (19 and 14 percent, respectively) from the rates for the preceding year.

The average annual death rates for malignant neoplasms by race, sex, and age for 1976-1978 are shown in Table 26. Mortality from this cause gradually began to increase with the age group 20-24 years. Death rates for malignant neoplasms were generally higher for males than for females in both racial groups with the exception of the white females 30-44 years of age and nonwhite females 25-34 years of age; after the age of 44 years, the rates for males were between 21 to 115 percent higher than the corresponding female mortality rates. Death rates for nonwhite males exceeded those for white males for ages 15-24 years and 35 years and over; nonwhite females experienced higher death rates than their white counterparts for ages 5 years and over except for the groups 15-19 years of age and 75 years and over.

TABLE 26. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR MALIGNANT NEOPLASMS, BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1976-1978

	White		Nonwhite	
Age Group	*Male*	*Female*	*Male*	*Female*
All ages	197.7	143.1	238.5	148.2
Under 5 years	6.5	3.7	5.9	3.0
5-9 years	7.7	4.4	6.7	4.9
10-14 years	6.3	2.3	4.8	3.9
15-19 years	6.5	4.1	7.9	3.5
20-24 years	10.5	5.8	10.9	7.2
25-29 years	12.3	9.3	11.4	12.0
30-34 years	20.0	20.0	12.0	25.4
35-44 years	51.4	52.1	87.3	75.0
45-54 years	194.6	160.6	432.2	243.5
55-64 years	546.4	302.2	888.2	469.9
65-74 years	1,039.5	506.3	1,414.2	662.1
75 years and over	1,633.4	890.0	1,878.2	873.0

Diabetes Mellitus: In 1978, there were 525 deaths of Tennessee residents attributed to diabetes mellitus, corresponding to a rate of 12.0 per 100,000 population. The number of deaths showed a 7 percent decrease from the 565 deaths in 1977, while the death rate showed an 8 percent decrease from the comparable rate (13.1) in 1977. In 1978, of the total number of deaths from diabetes mellitus, 385 were of white persons and 140 of nonwhite.

Diseases of Heart: The leading cause of death for the State in 1978 was diseases of heart which accounted for 13,985 resident deaths or 321.0 per 100,000 population. The number of deaths in 1978 showed a 2 percent decrease from the 14,321 deaths in 1977. The death rates from this cause have been decreasing since 1973 with a slight fluctuation in 1976. Deaths from diseases of heart in the white population in 1978 numbered 11,807 compared to 11,963 in 1977; the number (2,178) of nonwhite deaths in 1978 represented a decrease from the 2,358 deaths in 1977. Ischemic heart disease was responsible for 90 percent of all deaths attributed to diseases of heart in 1978.

Table 27 gives average annual death rates per 100,000 population for diseases of heart by race, sex, and age for Tennessee residents for the period 1976-1978. The trend of these death rates was gradually upward in early adult years for each of the race-sex groups but experienced a sharp increase in the middle and older ages. The death rates in both sex groups were higher for the nonwhites than for the whites at all ages under 75 years with the exception of males 10-14 years and females 5-9 years. There was a greater race differential in the death rates for females than for males.

Average annual rates for diseases of heart for 1976-1978 were higher for males than for their female counterparts in each racial group for all ages combined. In the white population, the rate for males exceeded that for females by 41 percent, while the excess in mortality of males over females for the nonwhite group was 19 percent.

TABLE 27. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR DISEASES OF HEART BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1976-1978

	White		Nonwhite	
Age Group	*Male*	*Female*	*Male*	*Female*
All ages	387.9	275.1	369.0	309.3
Under 5 years	5.4	4.0	9.8	9.1
5-9 years	0.2	0.7	1.9	-
10-14 years	1.1	0.9	1.0	2.9
15-19 years	2.2	1.0	7.1	2.6
20-24 years	3.0	1.4	5.5	3.6
25-29 years	6.4	2.8	16.4	4.4
30-34 years	22.1	8.6	42.1	28.8
35-44 years	85.5	25.5	167.8	75.0
45-54 years	326.0	76.6	534.1	257.4
55-64 years	872.6	250.8	1,104.3	690.0
65-74 years	1,871.7	794.9	2,050.8	1,374.1
75 years and over	4,702.9	3,489.5	4,001.5	3,166.0

Cerebrovascular Disease: In 1978, deaths from cerebrovascular disease, the third principal cause of death, numbered 4,283, corresponding to a death rate of 98.3 per 100,000 population. Among the white population, there were 3,480 deaths, with a rate of 94.5 and 803 deaths, with a rate of 118.9, among the nonwhite population. The death rate for the white and for the nonwhite populations showed decreases of 7 and 8 percent, respectively, from the comparable rate for 1977.

Arteriosclerosis: In 1978, the sixth principal cause of death, arteriosclerosis, accounted for 615 deaths of Tennessee residents, giving a death rate of 14.1 per 100,000 population. For the white population, the death rate of 14.1 for this cause was 1 percent lower than the rate (14.2) in 1977; among the nonwhite population, the death rate of 14.1 in 1978 was 40 percent higher than that of 10.1 for the preceding year.

Cirrhosis of Liver: There were 398 deaths from cirrhosis of liver for the year 1978. Of these, 335 deaths were of white persons, and 63 were of nonwhite. The death rate (9.1) for the white population in 1978 showed a 3 percent decrease from the rate (9.4) in 1977

while the death rate (9.3) for the nonwhite showed a 5 percent decrease from that (9.8) for the preceding year. Two hundred fourteen or 54 percent of the 398 deaths occurred in the age group 45-64 years, for whom cirrhosis of liver was the fifth leading cause of death.

Influenza and Pneumonia: Influenza and pneumonia, which ranked as the fifth principal cause of death in 1978, accounted for 1,159 deaths, giving a death rate of 26.6 per 100,000 population. The death rate for this cause group in 1978 represented a 7 percent increase over the comparable rate of 24.9 in 1977.

The number (66) of deaths from influenza in 1978 increased by 69 percent over the number (39) for 1977, while the influenza death rate (1.5) increased by 67 percent over the comparable rate (0.9) in 1977.

The number of deaths (1,093) from pneumonia in 1978 increased by 6 percent over that (1,031) for 1977, and the death rate (25.1) in 1978 was 5 percent higher than the comparable rate (24.0) in 1977.

Of the 1,093 deaths from pneumonia, 283 were stated to be due to bronchopneumonia, organism unspecified; 105, to bacterial pneumonia; 18, to viral pneumonia; 9, to acute interstitial pneumonia; and 678, to other and unspecified types.

Bronchitis, Emphysema, and Asthma: In 1978, there were 468 deaths from bronchitis, emphysema, and asthma, giving a death rate of 10.7 per 100,000 population. The rate was 2 percent lower than the death rate of 10.9 for this group of causes in 1977. For the white population in 1978, the death rate (11.7) was more than twice that (5.5) for the nonwhite. Of the 468 deaths from this group of causes, 346 or 74 percent were assigned to emphysema.

Accidents: Accidents, the fourth principal cause of death, accounted for 2,460 deaths to Tennessee residents during the year 1978. The number of deaths showed an increase over the 2,440 deaths in 1977 while the rate of 56.5 per 100,000 population was lower than the rate of 56.8 in 1977. The death rate of 56.8 per 100,000 population for the white race in 1978 represented a 1 percent decrease from the comparable rate (57.1) in 1977, and the rate of 54.5 for the nonwhite in 1978 showed a 1 percent decrease from that (55.1) for 1977.

TABLE 28. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR ACCIDENTS BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1976-1978

	White		*Nonwhite*	
Age Group	*Male*	*Female*	*Male*	*Female*
All ages	83.9	30.2	79.9	26.9
Under 5 years	39.3	30.1	44.0	39.6
5-9 years	19.8	10.8	21.1	10.9
10-14 years	32.6	12.4	31.8	7.7
15-19 years	120.4	35.8	61.7	17.5
20-24 years	129.6	33.4	91.9	17.9
25-29 years	83.5	19.1	102.2	19.6
30-34 years	81.3	14.9	106.3	20.3
35-44 years	77.0	17.7	99.6	13.4
45-54 years	78.0	21.5	110.6	30.0
55-64 years	86.3	26.1	125.5	31.1
65-74 years	109.1	39.6	129.3	57.1
75 years and over	244.4	153.2	195.4	116.0

Average annual death rates for accidents by race, sex, and age for 1976-1978 are given in Table 28. For all ages combined, in both white and nonwhite populations, the death rate for accidents to males was more than two and one-half times that for females. The excess mortality from accidents to males over females was observed in every age group of both racial groups.

Comparison of mortality from accidents by race indicates that the average annual death rate for white males, all ages combined, was 5 percent higher than the comparable rate for the nonwhite males. The average annual death rate for white females was 12 percent higher than the rate for nonwhite females. For males, the only ages at which average annual death rates for the white population exceeded those for the nonwhite were 10-24 years and 75 years and over. In the female population, average annual death rates for the nonwhite exceeded those for the white at every age except those 10-24 years, 35-44 years, and 75 years and over.

TABLE 29. NUMBER OF DEATHS FROM ACCIDENTS ACCORDING TO TYPE OF ACCIDENT WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1978

	Deaths	
Type of Accident	*Number*	*Rate*
Total	2,460	56.5
Motor vehicle (810-823)	1,294	29.7
Water transportation (830-838)	42	1.0
Air and space transportation (840-845)	24	0.6
Other transportation (800-807, 825-827)	28	0.6
Poisoning by drugs and medicaments (850-859)	41	0.9
Poisoning by other solids and liquids (860-869)	14	0.3
Poisoning by gases and vapors (870-877)	42	1.0
Fall (880-887)	274	6.3
Fire and flames (890-899)	173	4.0
Natural and environmental factors (900-909)	34	0.8
Drowning (910)	127	2.9
Suffocation by food and other object (911-912)	61	1.4
Suffocation in bed (913.0)	7	0.2
Other mechanical suffocation (913.9)	11	0.3
Struck by falling object (916)	38	0.9
Struck against or by objects (917)	16	0.4
Caught in or between objects (918)	7	0.2
Firearm missiles (922)	69	1.6
Explosive material (923)	8	0.2
Electric current (925)	23	0.5
Other (914, 915, 919-921, 924, 926-936, 940-949)	127	2.9

Data on mortality from accidents according to type of accident in 1978 are given in Table 29. Motor vehicle accidents accounted for 1,294 deaths. The next 3 most frequently reported types of fatal accidents were: falls, 274 deaths; fire and flames, 173 deaths; and drownings, 127 deaths.

TABLE 30. NUMBER OF DEATHS FROM ACCIDENTS BY CLASS OF ACCIDENT WITH PERCENTAGES, RESIDENT DATA, TENNESSEE, 1978

Class of Accident	*Number*	*Percent*
Total	2,460	100.0
Home	474	19.3
Motor vehicle	1,294	52.6
Occupational	99	4.0
Other public	416	16.9
Unspecified	177	7.2

In Table 30, the distribution of accidental deaths is shown according to class of accident. Motor vehicle accidents accounted for 53 percent of all accidental deaths; home accidents, 19 percent; other public accidents, 17 percent; and occupational, 4 percent. In addition to the 99 deaths from occupational accidents, there were 60 deaths from accidents which were classified as motor vehicle or other transportation but which occurred during the course of gainful employment. Thus, the total number of occupational accidental deaths was 159.

TABLE 31. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR ACCIDENTS ACCORDING TO CLASS OF ACCIDENT, BY AGE, RESIDENT DATA, TENNESSEE, 1976-1978

Age Group	*Home*	*Motor Vehicle*	*Occupational*	*Other Public*
All ages	11.2	28.7	2.2	9.5
Under 5 years	18.6	10.5	-	3.9
5-9 years	4.2	8.5	-	2.3
10-14 years	2.8	11.4	0.5	6.5
15-19 years	4.5	52.1	1.2	12.6
20-24 years	6.5	53.1	3.1	11.7
25-29 years	4.9	34.1	2.6	8.1
30-34 years	6.2	28.1	3.4	8.0
35-44 years	7.1	26.1	2.7	8.5
45-54 years	8.6	26.5	3.3	8.1
55-64 years	13.5	25.3	4.2	8.5
65-74 years	21.4	29.3	1.9	10.8
75 years and over	73.2	35.3	1.7	41.0

Average annual death rates for each class of accident by age for 1976-1978 are given in Table 31 and are shown in Figure 9. The risk of a fatal home accident was comparatively great for children under 5 years of age, and for persons 65 years of age and over. Death rates for motor vehicle accidents were highest for young persons 15-29 years of age and for persons 75 years of age and older; the rates were relatively constant for persons 30-74 years of age.

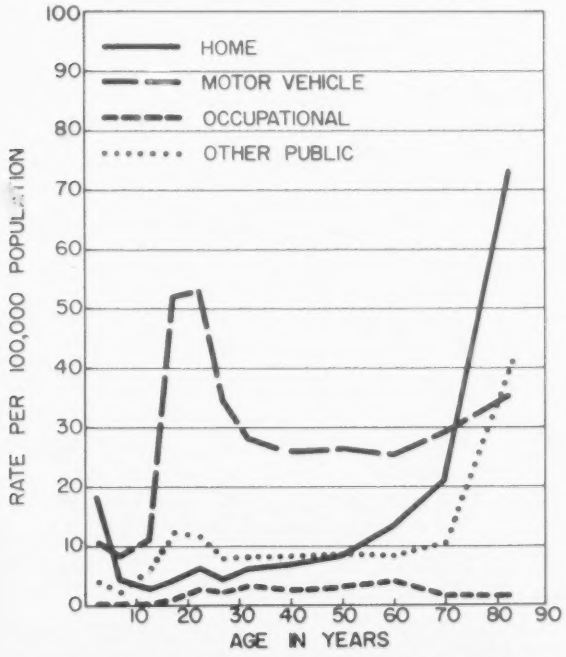

Figure 9. Average Annual Death Rates per 100,000 Population for Accidents, by Class of Accident, and Age, Resident Data, Tennessee, 1976-1978

Home Accidents: Data regarding deaths from home accidents by type and by race are given in Table 32 and are shown by selected types for both races combined in Figure 10. Home accidents to Tennessee residents in 1978 accounted for 474 deaths corresponding to a rate of 10.9 per 100,000 population. Of these, 388 deaths were of white persons, and 86 were of nonwhite, with death rates of 10.5 and 12.7, respectively. Thus, the risk of mortality from home accidents was 21 percent greater for the nonwhite population than for the white. The most frequently stated type of home accident was fire and flames, with 164 deaths; falls ranked second with 134 deaths. Together, these two types of accidents accounted for 63 percent of all home accidents.

Differences in risk of mortality between the white and nonwhite segments of the population varied according to type of home accident. Death rates for the white population were higher than for the nonwhite for falls, drowning, suffocation by food and other object, and firearm missiles.

TABLE 32. NUMBER OF DEATHS FROM HOME ACCIDENTS ACCORDING TO TYPE OF ACCIDENT WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1978

Type of Accident	*Total*		*White*		*Nonwhite*	
	Number	*Rate*	*Number*	*Rate*	*Number*	*Rate*
Total	474	10.9	388	10.5	86	12.7
Poisoning	52	1.2	40	1.1	12	1.8
Fall	134	3.1	118	3.2	16	2.4
Fire and flames	164	3.8	121	3.3	43	6.4
Drowning	20	0.5	18	0.5	2	0.3
Suffocation by food and other object	9	0.2	8	0.2	1	0.1
Suffocation, mechanical	12	0.3	9	0.2	3	0.4
Firearm missiles	34	0.8	31	0.8	3	0.4
Other	49	1.1	43	1.2	6	0.9

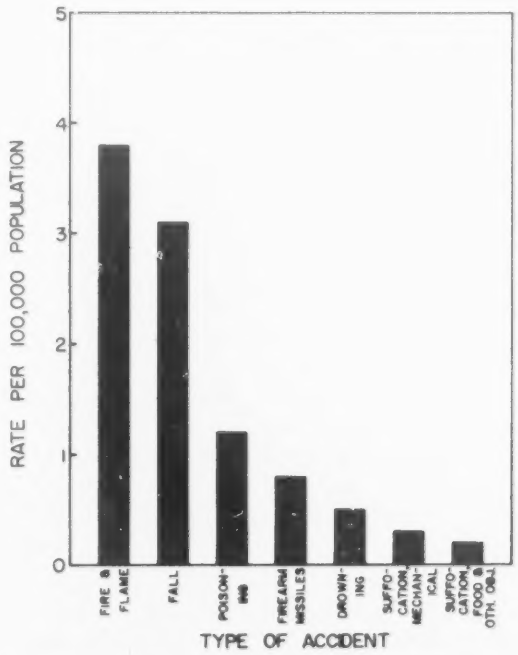

Figure 10. Death Rates per 100,000 Population for Selected Types of Home Accidents, Resident Data, Tennessee, 1978

Motor Vehicle Accidents: Data on mortality from motor vehicle accidents according to type of accident in 1978 are given in Table 33. There were 1,294 deaths of Tennessee residents from such accidents, or 29.7 per 100,000 population. The number of deaths was 4 percent higher than the comparable figure (1,245 deaths) in 1977, and the death rate was 2 percent higher than that (29.0) for 1977. A 2 percent increase in the death rate for this cause was experienced in the white population with a rate of 30.5 in 1978 compared with 29.8 in 1977. The rate for the nonwhite population increased by 5 percent, from 24.3 in 1977 to 25.6 in 1978.

Ninety-eight percent of the motor vehicle fatalities occurred on public highways and rights-of-way. In 555 or 43 percent of the total deaths from motor vehicle accidents, a collision with another motor vehicle occurred; in 154 or 12 percent of the total, there was a collision with a pedestrian. Deaths of 335 persons, or 26 percent of the total deaths from motor vehicles, resulted from noncollision accidents on public highways. Most of these deaths were due to loss of control of the vehicle.

TABLE 33. NUMBER OF DEATHS FROM MOTOR VEHICLE ACCIDENTS BY TYPE OF ACCIDENT WITH PERCENTAGES, RESIDENT DATA, TENNESSEE, 1978

Type of Accident	*Number*	*Percent*
Total	1,294	100.0
On public highway and its right-of-way	1,264	97.7
Collision of motor vehicle with		
Train (810)	34	2.6
Other motor vehicle (812)	555	42.9
Other vehicle (811, 813)	6	0.5
Pedestrian (814)	154	11.9
Other object (815)	123	9.5
Noncollision		
Loss of control (816)	316	24.4
Other (817, 818)	19	1.5
Unspecified (819)	57	4.4
On private driveway, industrial premise, road on farm, mine, etc.	30	2.3
Collision of motor vehicle with		
Moving object (820)	13	1.0
Stationary object (821)	3	0.2
Other and unspecified (822-823)	14	1.1

In 1978, motor vehicle accidents to Tennessee residents caused 4.4 deaths per 10,000 registered motor vehicles, compared with 4.1 in 1975, 1976, and 1977.

Suicide: In 1978, the seventh leading cause of death was suicide, which accounted for the deaths of 548 residents of the State and represented a 7 percent decrease from the 588 resident suicides reported in 1977. The death rate of 12.6 per 100,000 population for suicide in 1978 is 8 percent lower than the comparable rate in the preceding year. The white population experienced a death rate (14.2) almost four times that (3.7) of the nonwhite. For the white population, mortality from suicide in 1978 was 5 percent lower than the rate of 15.0 in 1977, while for the nonwhite, the rate was 45 percent lower than for the preceding year.

Homicide: There were 456 deaths by homicide, corresponding to a death rate of 10.5 per 100,000 population in 1978. Both the number of deaths and the death rate represented a 5 percent decrease from comparable data for the preceding year. The rate of 31.8 for nonwhite persons was almost 5 times that of 6.5 for the white. The 1978 data for the white population showed decreases from the preceding year of 1 percent in the number of deaths and of 3 percent in the death rate, while corresponding data for the nonwhite reflected decreases (from 1977) of 8 percent in both number of deaths and in the death rate. Mortality from homicide varied by urban character of county and by race. Among the white population, the highest risk was experienced in the metropolitan and rural counties. The death rate for this cause for the nonwhite was highest in the metropolitan counties and lowest in the intermediate counties; the nonwhite population experienced a greater relative differential by type of county than the white.

Marriages: In 1978, the 33rd year for which data for marriages have been analyzed and included in the Vital Statistics Bulletin, 57,524 marriages were recorded in Tennessee. This was an increase over the 55,326 marriages in 1977. Since 1969, only in two years (1974 and 1975) were there decreases in the number of marriages recorded. The marked increase in marriages between 1970 and 1973 may be partly due to lowering from 21 years to 18 the minimum age of brides for marriage without parental consent. The minimum age for grooms was already 18 years and was unchanged.

In 1978, there were 115,048 persons married in Tennessee, corresponding to a rate of 26.4 persons per 1,000 population (Table 34). Of the 115,048 persons married in Tennessee, 92,115 or 80 percent were residents of the State, resulting in a rate of 21.1 per 1,000 population for Tennesseans married in Tennessee. This rate was higher than the rate of 20.8 obtained in 1977.

TABLE 34. NUMBER OF MARRIAGES RECORDED AND PERSONS MARRIED WITH RATES PER 1,000 POPULATION, TENNESSEE, 1969-1978

Year	*Marriages Recorded*	*Persons Married*	
		Number	*Rate*
1969	44,305	88,610	22.7
1970	45,357	90,714	23.1
1971	50,305	100,610	25.2
1972	56,164	112,328	27.9
1973	56,285	112,570	27.5
1974	54,609	109,218	26.5
1975	51,528	103,056	24.6
1976	53,273	106,546	25.3
1977	55,326	110,652	25.7
1978	57,524	115,048	26.4

The general trend of the marriage rate for the period 1950-1972 was upward. In the years 1973 to 1975, the marriage rate experienced successive percentage decreases of 1, 4, and 7. The marriage rate for 1977 showed a 2 percent increase over that for 1976, and the rate for 1978 increased by 3 percent over that of 1977.

The average number of marriages recorded per day in Tennessee during 1978 was 158 (Table 35). There was variation in the average number of marriages per day according to month, with June having the highest average (221), followed by July (189), August (180), and December (180). January had the lowest average, 90 marriages per day.

TABLE 35. NUMBER OF MARRIAGES BY MONTH WITH AVERAGE PER DAY, RECORDED DATA, TENNESSEE, 1978

Month	Number	Average per day	Month	Number	Average per day
Total	57,524	157.6	June	6,642	221.4
			July	5,864	189.2
January	2,793	90.1	August	5,573	179.8
February	3,404	121.6	September	5,324	177.5
March	4,219	136.1	October	4,495	145.0
April	4,482	149.4	November	4,536	151.2
May	4,605	148.5	December	5,587	180.2

In 1978, the most frequently stated ages at marriage were 20 years for grooms and 18 years for brides. The median ages at marriage in 1978 were 25 years and 23 years for grooms and brides, respectively.

Data regarding the previous marital status of bride and groom are shown in Table 36. In 48 percent of the marriages, both the bride and groom were marrying for the first time; in 31 percent of the marriages, both the bride and the groom had been previously married.

TABLE 36. NUMBER OF MARRIAGES ACCORDING TO PREVIOUS MARITAL STATUS OF BRIDE AND GROOM, RECORDED DATA, TENNESSEE, 1978

		Bride			
Groom	Total	Single	Widowed	Divorced	Unknown
Total	57,524	33,237	2,654	21,079	554
Single	32,709	26,753	356	5,465	135
Widowed	2,077	230	955	884	8
Divorced	22,310	6,190	1,338	14,692	90
Unknown	428	64	5	38	321

Table XII presents data regarding marriages by place of marriage and by residence of bride and groom. There were 8 counties with recorded rates of 50 or more persons married per 1,000 population, and 5 of these counties had recorded rates in excess of 100. The resident rates for persons from these 8 counties marrying in Tennessee varied between 17.5 and 27.3 per 1,000 population. Seven of the eight counties are on or near the Kentucky border. Six of the eight counties are in Middle Tennessee, and two are in East Tennessee.

Divorces: In 1978, the 33rd consecutive year for which data for divorces have been analyzed and included in the Vital Statistics Bulletin, 28,474 divorces were recorded in Tennessee. Thus, there were 56,948 persons granted divorces, giving a divorce rate of 13.1 persons per 1,000 population. During the 10 years, 1969-1978, the divorce rate showed a definite upward trend from a level of 7.8 to a level of 13.1 persons divorced per 1,000 population (see Table 37). The rate (13.1) in 1978 showed a 2 percent increase over the rate of 12.8 in 1977 and represents a record high divorce rate.

TABLE 37. NUMBER OF DIVORCES RECORDED AND PERSONS DIVORCED WITH RATES PER 1,000 POPULATION, TENNESSEE, 1969-1978

Year	Divorces Recorded	Persons Divorced Number	Rate
1969	15,286	30,572	7.8
1970	16,613	33,226	8.5
1971	17,376	34,752	8.7
1972	20,601	41,202	10.2
1973	22,072	44,144	10.8
1974	23,734	47,468	11.5
1975	24,701	49,402	11.8
1976	27,084	54,168	12.9
1977	27,502	55,004	12.8
1978	28,474	56,948	13.1

Many factors need to be considered in the interpretation of these divorce statistics. The number of divorces for a calendar year cannot be related to marriages for the same time period. The marriages ending in divorce occurred at various times in various states. Table XII shows divorces recorded in Tennessee in 1978 by county where the decree was granted. No analysis was made according to residence of the parties due to incompleteness of residence data on certificates. Four percent (1,136) of the 28,474 divorces were obtained within 1 year of marriage, and 42 percent (12,045) were granted to couples who had been married less than 5 years. Divorces were granted to 2,754 couples (10 percent) who had been married for 20 years or more.

Forty-seven percent (13,470) of the divorces involved no minor children; for 27 percent (7,660) of the divorces, only 1 minor child was involved.

TABLE I—POPULATION, BIRTHS AND DEATHS WITH RATES PER 1,000 POPULATION, FETAL DEATHS WITH RATIOS PER 1,000 LIVE BIRTHS, AND INFANT AND NEONATAL DEATHS WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RECORDED AND RESIDENT DATA, TENNESSEE, 1959-1978

YEAR	ESTIMATED MID-YEAR POPULATION			LIVE BIRTHS						DEATHS					
				TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	TOTAL	WHITE	NONWHITE	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
RECORDED															
1959	3,546,431	2,961,440	584,991	84,059	23.7	65,633	22.2	18,426	31.5	33,123	9.3	26,103	8.8	7,020	12.0
1960	3,575,999	2,985,654	590,345	83,526	23.4	65,129	21.8	18,397	31.2	34,399	9.6	27,094	9.1	7,305	12.4
1961	3,611,660	3,017,272	594,388	83,689	23.2	65,360	21.7	18,329	30.8	34,012	9.4	26,881	8.9	7,131	12.0
1962	3,647,324	3,048,891	598,433	82,868	22.7	64,751	21.2	18,117	30.3	35,566	9.8	28,135	9.2	7,431	12.4
1963	3,682,982	3,080,512	602,470	81,391	22.1	63,675	20.7	17,716	29.4	37,241	10.1	29,491	9.6	7,750	12.9
1964	3,718,644	3,112,124	606,520	82,224	22.1	64,386	20.7	17,837	29.4	36,614	9.8	29,089	9.3	7,525	12.4
1965	3,754,301	3,143,747	610,554	75,610	20.1	58,682	18.7	16,928	27.7	36,853	9.8	29,573	9.4	7,280	11.9
1966	3,789,961	3,175,364	614,597	71,919	19.0	56,355	17.7	15,564	25.3	38,028	10.0	30,398	9.6	7,630	12.4
1967	3,825,626	3,206,983	618,643	70,604	18.5	55,371	17.3	15,233	24.6	37,702	9.9	30,400	9.5	7,302	11.8
1968	3,861,282	3,238,596	622,686	69,921	18.1	55,082	17.0	14,838	23.8	39,321	10.2	31,366	9.7	7,954	12.8
1969	3,896,939	3,270,216	626,723	73,156	18.8	57,678	17.6	15,478	24.7	39,925	10.2	32,113	9.8	7,812	12.5
1970	3,932,000	3,300,914	631,086	75,708	19.3	59,349	18.0	16,359	25.9	40,236	10.2	32,581	9.9	7,654	12.1
1971	3,990,000	3,349,611	640,389	74,948	18.8	58,700	17.5	16,247	25.4	40,054	10.0	32,473	9.7	7,581	11.8
1972	4,031,000	3,389,500	641,500	69,473	17.2	54,125	16.0	15,346	23.9	41,614	10.3	33,905	10.0	7,709	12.0
1973	4,095,000	3,447,700	647,300	67,789	16.6	52,463	15.2	15,323	23.7	42,230	10.3	34,323	10.0	7,902	12.2
1974	4,129,000	3,479,500	649,500	67,882	16.4	52,763	15.2	15,119	23.3	41,813	10.1	34,168	9.8	7,643	11.8
1975	4,188,000	3,528,900	659,100	65,752	15.7	50,856	14.4	14,895	22.6	40,967	9.8	33,521	9.5	7,445	11.3
1976	4,214,000	3,553,400	660,600	65,644	15.6	50,916	14.3	14,725	22.3	41,319	9.8	34,065	9.6	7,252	11.0
1977	4,299,000	3,627,600	671,400	69,983	16.3	54,421	15.0	15,561	23.2	41,492	9.7	34,170	9.4	7,322	10.9
1978	4,357,000	3,681,400	675,600	70,202	16.1	53,861	14.6	16,333	24.2	41,106	9.4	34,026	9.2	7,080	10.5
RESIDENT															
1959				82,956	23.4	64,555	21.8	18,401	31.5	31,813	9.0	24,990	8.4	6,823	11.7
1960				81,892	22.9	63,551	21.3	18,341	31.1	32,892	9.2	25,849	8.7	7,043	11.9
1961				82,067	22.7	63,830	21.2	18,236	30.7	32,625	9.0	25,744	8.5	6,880	11.6
1962				80,893	22.2	62,945	20.6	17,948	30.0	34,025	9.3	26,852	8.8	7,173	12.0
1963				79,715	21.6	62,145	20.2	17,570	29.2	35,633	9.7	28,223	9.2	7,410	12.3
1964				80,100	21.5	62,526	20.1	17,572	29.0	34,815	9.4	27,597	8.9	7,218	11.9
1965				72,990	19.4	56,380	17.9	16,610	27.2	35,049	9.3	28,116	8.9	6,933	11.4
1966				68,871	18.2	53,769	16.9	15,102	24.6	36,108	9.5	28,873	9.1	7,235	11.8
1967				67,740	17.7	52,991	16.5	14,749	23.8	35,736	9.3	28,843	9.0	6,893	11.1
1968				67,029	17.4	52,779	16.3	14,249	22.9	37,373	9.7	29,827	9.2	7,545	12.1
1969				69,921	17.9	55,133	16.9	14,788	23.6	37,832	9.7	30,441	9.3	7,391	11.8
1970				72,271	18.4	56,777	17.2	15,493	24.5	38,079	9.7	30,878	9.4	7,200	11.4
1971				71,202	17.8	56,075	16.7	15,125	23.6	37,783	9.5	30,671	9.2	7,112	11.1
1972				65,802	16.3	51,609	15.2	14,191	22.1	39,345	9.8	32,039	9.5	7,306	11.4
1973				64,303	15.7	50,113	14.5	14,187	21.9	39,724	9.7	32,319	9.4	7,394	11.4
1974				64,154	15.5	50,201	14.4	13,952	21.5	39,376	9.5	32,214	9.3	7,158	11.0
1975				62,265	14.9	48,453	13.7	13,808	20.9	38,522	9.2	31,504	8.9	7,013	10.6
1976				62,514	14.8	48,750	13.7	13,760	20.8	38,938	9.2	32,086	9.0	6,847	10.4
1977				66,632	15.5	52,110	14.4	14,521	21.6	39,080	9.1	32,110	8.9	6,970	10.4
1978				66,466	15.3	51,183	13.9	15,275	22.6	38,654	8.9	31,964	8.7	6,690	9.9

YEAR	FETAL DEATHS						INFANT DEATHS						NEONATAL DEATHS					
	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Ratio	No.	Ratio	No.	Ratio	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
RECORDED																		
1959	1,424	16.9	928	14.1	496	26.9	2,656	31.6	1,812	27.6	844	45.8	1,848	22.0	1,338	20.4	510	27.7
1960	1,448	17.3	961	14.8	486	26.4	2,531	30.3	1,725	26.5	806	43.8	1,743	20.9	1,260	19.3	483	26.3
1961	1,443	17.2	958	14.7	485	26.5	2,518	30.1	1,722	26.3	796	43.4	1,733	20.7	1,253	19.2	480	26.2
1962	[1]1,484	17.9	966	14.9	517	28.5	2,464	29.7	1,668	25.8	796	43.9	1,710	20.6	1,202	18.6	508	28.0
1963	1,436	17.6	903	14.2	532	30.0	2,381	29.3	1,566	24.6	815	46.0	1,639	20.1	1,153	18.1	486	27.4
1964	1,402	17.1	914	14.2	487	27.3	2,425	29.5	1,666	25.9	759	42.6	1,675	20.4	1,175	18.2	500	28.0
1965	[1]1,359	18.0	819	14.0	539	31.8	2,160	28.6	1,423	24.2	737	43.5	1,514	20.0	1,048	17.9	466	27.5
1966	1,262	17.5	865	15.3	395	25.4	1,964	27.3	1,288	22.9	676	43.4	1,368	19.0	935	16.6	433	27.8
1967	1,153	16.3	762	13.8	391	25.7	1,815	25.7	1,219	22.0	596	39.1	1,288	18.2	904	16.3	384	25.2
1968	1,243	17.8	807	14.7	431	29.0	1,686	24.1	1,129	20.5	556	37.5	1,205	17.2	848	15.4	357	24.1
1969	1,180	16.1	758	13.1	421	27.2	1,661	22.7	1,112	19.3	549	35.5	1,216	16.6	829	14.4	387	25.0
1970	1,202	15.9	801	13.5	401	24.5	1,650	21.8	1,140	19.2	510	31.2	1,260	16.6	900	15.2	360	22.0
1971	[1]1,092	14.6	727	12.4	357	22.0	1,615	21.5	1,145	19.5	470	28.9	1,211	16.2	871	14.8	340	20.9
1972	[1]981	14.1	665	12.3	314	20.5	1,536	22.1	1,033	19.1	503	32.8	1,140	16.4	773	14.3	367	23.9
1973	[1]962	14.2	669	12.8	292	19.1	1,476	21.8	1,010	19.3	465	30.3	1,086	16.0	760	14.5	325	21.2
1974	[1]932	13.7	642	12.2	286	18.9	1,253	18.5	845	16.0	408	27.0	936	13.8	635	12.0	301	19.9
1975	[1]816	12.4	531	10.4	284	19.1	1,177	17.9	802	15.8	375	25.2	861	13.1	587	11.5	274	18.4
1976	814	12.4	551	10.8	263	17.9	1,136	17.3	759	14.9	377	25.6	825	12.6	557	10.9	268	18.2
1977	[1]860	12.3	607	11.2	252	16.2	1,183	16.9	803	14.8	380	24.4	842	12.0	574	10.5	268	17.2
1978	++755	10.8	504	9.4	251	15.4	1,126	16.0	763	14.2	363	22.2	816	11.6	546	10.1	270	16.5
RESIDENT																		
1959	1,365	16.5	886	13.7	479	26.0	2,514	30.3	1,694	26.2	820	44.6	1,755	21.2	1,257	19.5	498	27.1
1960	1,391	17.0	923	14.5	467	25.5	2,399	29.1	1,610	25.3	789	43.0	1,651	20.2	1,180	18.6	471	25.7
1961	1,382	16.8	920	14.4	462	25.3	2,372	28.9	1,607	25.2	765	41.9	1,636	19.9	1,174	18.4	462	25.3
1962	1,428	17.7	929	14.8	498	27.7	2,297	28.4	1,543	24.5	754	42.0	1,600	19.8	1,121	17.8	479	26.7
1963	[1]1,382	17.3	884	14.2	497	28.3	2,224	27.9	1,459	23.5	765	43.5	1,545	19.4	1,084	17.4	461	26.2
1964	1,333	16.6	886	14.2	446	25.4	2,255	28.2	1,547	24.7	708	40.3	1,569	19.6	1,098	17.6	471	26.8
1965	1,296	17.8	799	14.2	496	29.9	2,024	27.7	1,327	23.5	697	42.0	1,409	19.3	970	17.2	439	26.4
1966	[1]1,193	17.3	826	15.4	364	24.1	1,790	26.0	1,186	22.1	604	40.0	1,243	18.0	854	15.9	389	25.8
1967	1,083	16.0	728	13.7	355	24.1	1,649	24.3	1,107	20.9	542	36.7	1,176	17.4	825	15.6	351	23.8
1968	1,151	17.2	769	14.6	377	26.5	[1]1,549	23.1	1,039	19.7	509	35.7	1,117	16.7	787	14.9	330	23.2
1969	[1]1,109	15.9	716	13.0	391	26.4	1,529	21.9	1,031	18.7	498	33.7	1,126	16.1	770	14.0	356	24.1
1970	1,117	15.5	765	13.5	352	22.7	1,540	21.3	1,061	18.7	479	30.9	1,173	16.2	839	14.8	334	21.6
1971	[1]1,019	14.3	698	12.4	314	20.8	1,469	20.6	1,054	18.8	415	27.4	1,092	15.3	791	14.1	301	19.9
1972	[1]902	13.7	632	12.2	268	18.9	1,384	21.0	925	17.9	459	32.3	1,021	15.5	687	13.3	334	23.5
1973	[1]910	14.2	641	12.8	268	18.9	[1]1,303	20.3	898	17.9	404	28.5	956	14.9	670	13.4	285	20.1
1974	[1]887	13.8	618	12.3	265	19.0	1,110	17.3	756	15.1	354	25.4	828	12.9	570	11.4	258	18.5
1975	[1]759	12.2	503	10.4	254	18.4	1,004	16.1	672	13.9	332	24.0	729	11.7	485	10.0	244	17.7
1976	756	12.1	515	10.6	241	17.5	1,007	16.1	674	13.8	333	24.2	724	11.6	491	10.1	233	16.9
1977	[1]792	11.9	561	10.8	230	15.8	1,022	15.3	691	13.3	331	22.8	719	10.8	487	9.3	232	16.0
1978	++695	10.5	463	9.0	232	15.2	981	14.8	664	13.0	317	20.8	691	10.4	461	9.0	230	15.1

[1] Includes items with race not stated.

++ For change in requirement for recording fetal deaths in Tennessee in 1978, see page 7 item 3.

TABLE II—DEATHS FROM IMPORTANT CAUSES WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1959-1978§

YEAR	TYPHOID FEVER						BACILLARY DYSENTERY AND AMEBIASIS						ENTERITIS AND OTHER DIARRHEAL DISEASES						TUBERCULOSIS, ALL FORMS					
	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959							11	0.3	8	0.3	3	0.5	113	3.2	60	2.0	53	9.1	348	9.8	267	9.0	81	13.8
1960							13	0.4	9	0.3	4	0.7	112	3.1	58	1.9	54	9.1	357	10.0	276	9.2	81	13.7
1961							6	0.2	3	0.1	3	0.5	106	2.9	62	2.1	44	7.4	291	8.1	218	7.2	73	12.3
1962	1	0.0	1	0.0			7	0.2	3	0.1	4	0.7	110	3.0	62	2.0	48	8.0	308	8.4	237	7.8	71	11.9
1963	3	0.1	1	0.0	2	0.3	11	0.3	4	0.1	7	1.2	110	3.0	67	2.2	43	7.1	295	8.0	227	7.4	68	11.3
1964	1	0.0	1	0.0			10	0.3	4	0.1	6	1.0	122	3.3	80	2.6	42	6.9	257	6.9	199	6.4	58	9.6
1965							2	0.1	1	0.0	1	0.2	99	2.6	61	1.9	38	6.2	251	6.7	198	6.3	53	8.7
1966	1	0.0	1	0.0			2	0.1			2	0.3	65	1.7	34	1.1	31	5.0	235	6.2	186	5.9	49	8.0
1967							3	0.1			3	0.5	75	2.0	46	1.4	29	4.7	205	5.4	153	4.8	52	8.4
1968							4	0.1			4	0.6	61	1.6	44	1.4	17	2.7	181	4.7	132	4.1	49	7.9
1969							1	0.0	1	0.0			50	1.3	34	1.0	16	2.6	161	4.1	131	4.0	30	4.8
1970	2	0.1	1	0.0	1	0.2	1	0.0	1	0.0			36	0.9	30	0.9	6	1.0	140	3.6	103	3.1	37	5.9
1971							2	0.1	2	0.1			31	0.8	24	0.7	7	1.1	139	3.5	100	3.0	39	6.1
1972							2	0.0	1	0.0	1	0.2	37	0.9	26	0.8	11	1.7	145	3.6	107	3.2	38	5.9
1973	1	0.0			1	0.2	2	0.0			2	0.3	39	1.0	30	0.9	9	1.4	118	2.9	89	2.6	29	4.5
1974													40	1.0	29	0.8	11	1.7	111	2.7	83	2.4	28	4.3
1975													44	1.1	37	1.0	7	1.1	121	2.9	96	2.7	25	3.8
1976							1	0.0			1	0.2	42	1.0	30	0.8	12	1.8	101	2.4	86	2.4	15	2.3
1977	1	0.0	1	0.0									43	1.0	34	0.9	9	1.3	123	2.9	100	2.8	23	3.4
1978							2	0.0	1	0.0	1	0.1	47	1.1	27	0.7	20	3.0	78	1.8	61	1.7	17	2.5

YEAR	TUBERCULOSIS OF RESPIRATORY SYSTEM						DIPHTHERIA						WHOOPING COUGH						STREPTOCOCCAL SORE THROAT AND SCARLET FEVER					
	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	315	8.9	249	8.4	66	11.3							11	0.3	5	0.2	6	1.0	4	0.1	3	0.1	1	0.2
1960	335	9.4	260	8.7	75	12.7							2	0.1	2	0.1			2	0.1	2	0.1		
1961	263	7.3	198	6.6	65	10.9							2	0.1			2	0.3	10	0.3	8	0.3	2	0.3
1962	283	7.8	222	7.3	61	10.2	1	0.0			1	0.2	2	0.1			2	0.3	8	0.2	7	0.2	1	0.2
1963	277	7.5	215	7.0	62	10.3							2	0.1			2	0.3	6	0.2	3	0.1	3	0.5
1964	236	6.3	188	6.0	48	7.9	1	0.0			1	0.2	2	0.1			2	0.3	3	0.1	3	0.1		
1965	232	6.2	187	5.9	45	7.4							1	0.0			1	0.2	3	0.1	2	0.1	1	0.2
1966	207	5.5	169	5.3	38	6.2							3	0.1	1	0.0	2	0.3	3	0.1	2	0.1	1	0.2
1967	194	5.1	146	4.6	48	7.8	2	0.1	1	0.0	1	0.2	1	0.0	1	0.0			1	0.0			1	0.2
1968	140	3.6	100	3.1	40	6.4	1	0.0	1	0.0														
1969	130	3.3	108	3.3	22	3.5							1	0.0			1	0.2	1	0.0			1	0.2
1970	103	2.6	74	2.2	29	4.6													1	0.0	1	0.0		
1971	106	2.7	78	2.3	28	4.4													2	0.1	1	0.0	1	0.2
1972	108	2.7	79	2.3	29	4.5																		
1973	93	2.3	69	2.0	24	3.7													2	0.0	1	0.0	1	0.2
1974	85	2.1	65	1.9	20	3.1													1	0.0	1	0.0		
1975	90	2.1	74	2.1	16	2.4													2	0.0	2	0.1		
1976	87	2.1	77	2.2	10	1.5																		
1977	103	2.4	86	2.4	17	2.5							1	0.0	1	0.0								
1978	61	1.4	47	1.3	14	2.1																		

YEAR	MENINGOCOCCAL INFECTION						ACUTE POLIOMYELITIS						MEASLES						VIRAL ENCEPHALITIS					
	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	12	0.3	9	0.3	3	0.5	17	0.5	15	0.5	2	0.3	7	0.2	7	0.2			14	0.4	10	0.3	4	0.7
1960	20	0.6	17	0.6	3	0.5	3	0.1	1	0.0	2	0.3	14	0.4	10	0.3	4	0.7	12	0.3	9	0.3	3	0.5
1961	16	0.4	15	0.5	1	0.2							9	0.2	6	0.2	3	0.5	4	0.1	2	0.1	2	0.3
1962	12	0.3	10	0.3	2	0.3							17	0.5	14	0.5	3	0.5	13	0.4	10	0.3	3	0.5
1963	27	0.7	19	0.6	8	1.3	1	0.0	1	0.0			7	0.2	5	0.2	2	0.3	9	0.2	7	0.2	2	0.3
1964	25	0.7	22	0.7	3	0.5							18	0.5	11	0.4	7	1.2	6	0.2	5	0.2	1	0.2
1965	28	0.7	24	0.8	4	0.7							5	0.1	5	0.2			8	0.2	6	0.2	2	0.3
1966	19	0.5	12	0.4	7	1.1							10	0.3	7	0.2	3	0.5	11	0.3	10	0.3	1	0.2
1967	28	0.7	22	0.7	6	1.0													12	0.3	11	0.3	1	0.2
1968	22	0.6	16	0.5	6	1.0							1	0.0	1	0.0			9	0.2	7	0.2	2	0.3
1969	17	0.4	9	0.3	8	1.3													19	0.5	17	0.5	2	0.3
1970	20	0.5	18	0.5	2	0.3							3	0.1	3	0.1			5	0.1	4	0.1	1	0.2
1971	12	0.3	10	0.3	2	0.3							2	0.1	1	0.0	1	0.2	6	0.2	4	0.1	2	0.3
1972	5	0.1	4	0.1	1	0.2							1	0.0	1	0.0			5	0.1	2	0.1	3	0.5
1973	7	0.2	4	0.1	3	0.5							1	0.0	1	0.0			6	0.1	5	0.1	1	0.2
1974	12	0.3	9	0.3	3	0.5													14	0.3	5	0.1	9	1.4
1975	7	0.2	5	0.1	2	0.3													26	0.6	12	0.3	14	2.1
1976	11	0.3	10	0.3	1	0.2													14	0.3	9	0.3	5	0.8
1977	9	0.2	6	0.2	3	0.4							3	0.0	1	0.0			7	0.2	4	0.1	3	0.4
1978	12	0.3	11	0.3	1	0.1													3	0.1	3	0.1		

§Cause titles are shown according to the *Eighth Revision International Classification of Diseases, Adapted*, 1965. Where necessary, regrouping of causes for 1959-1967 has been done to make numbers for these years correspond as nearly as possible with those for 1968-1978. For more detailed information see page 9 of this Bulletin.

TABLE II (Continued)—DEATHS FROM IMPORTANT CAUSES WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1959-1978§

YEAR	ROCKY MOUNTAIN SPOTTED FEVER						SYPHILIS AND ITS SEQUELAE						MALIGNANT NEOPLASMS, ALL SITES						MALIGNANT NEOPLASMS OF RESPIRATORY SYSTEM					
	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	.....	.....	.....	.....	.....	.....	37	1.0	20	0.7	17	2.9	4,416	124.5	3,636	122.8	780	133.3	636	17.9	552	18.6	84	14.4
1960	1	0.0	1	0.0	.....	.....	39	1.1	19	0.6	20	3.4	4,381	122.5	3,628	121.5	753	127.6	627	17.5	539	18.1	88	14.9
1961	2	0.1	2	0.1	.....	.....	36	1.0	17	0.6	19	3.2	4,634	128.3	3,775	125.1	859	144.5	661	18.3	553	18.3	108	18.2
1962	.....	.....	.....	.....	.....	.....	37	1.0	16	0.5	21	3.5	4,650	127.5	3,810	125.0	840	140.4	725	19.9	619	20.3	106	17.7
1963	.....	.....	.....	.....	.....	.....	31	0.8	9	0.3	22	3.7	5,134	139.4	4,187	135.9	947	157.2	880	23.9	764	24.8	116	19.3
1964	2	0.1	2	0.1	.....	.....	28	0.8	13	0.4	15	2.5	4,888	131.4	4,019	129.1	869	143.3	794	21.4	668	21.5	126	20.8
1965	4	0.1	4	0.1	.....	.....	19	0.5	6	0.2	13	2.1	5,108	136.1	4,215	134.1	893	146.3	857	22.8	733	23.3	124	20.1
1966	3	0.1	2	0.1	1	0.2	27	0.7	15	0.5	12	2.0	5,202	137.3	4,277	134.7	925	150.5	990	26.1	846	26.6	144	23.4
1967	3	0.1	3	0.1	.....	.....	28	0.7	5	0.2	23	3.7	5,465	142.9	4,535	141.4	930	150.3	1,004	26.2	863	26.9	141	22.8
1968	3	0.1	3	0.1	.....	.....	11	0.3	2	0.1	9	1.4	5,733	148.5	4,713	145.5	1,020	163.8	1,193	30.9	1,017	31.4	176	28.3
1969	1	0.0	1	0.0	.....	.....	13	0.3	3	0.1	10	1.6	5,753	147.6	4,704	143.8	1,049	167.4	1,190	30.5	1,014	31.0	176	28.1
1970	2	0.1	2	0.1	.....	.....	10	0.3	3	0.1	7	1.1	6,004	152.7	4,964	150.4	1,040	164.8	1,347	34.3	1,152	34.9	195	30.9
1971	5	0.1	5	0.1	.....	.....	9	0.2	3	0.1	6	0.9	6,089	152.6	5,048	150.7	1,041	162.6	1,345	33.7	1,168	34.9	177	27.6
1972	4	0.1	4	0.1	.....	.....	10	0.2	1	0.0	9	1.4	6,296	156.2	5,215	153.9	1,081	168.5	1,458	36.2	1,222	36.1	236	36.8
1973	1	0.0	1	0.0	.....	.....	15	0.4	7	0.2	8	1.2	6,519	159.2	5,328	156.5	1,187	183.4	1,562	38.1	1,316	38.2	246	38.0
1974	5	0.1	5	0.1	.....	.....	4	0.1	2	0.1	2	0.3	6,743	163.3	5,540	159.2	1,201	184.9	1,689	40.9	1,434	41.2	254	39.1
1975	2	0.0	2	0.1	.....	.....	5	0.1	2	0.1	3	0.5	6,895	164.6	5,682	161.0	1,213	184.0	1,674	40.0	1,421	40.3	253	38.4
1976	4	0.1	3	0.1	1	0.2	4	0.1	.....	.....	4	0.6	7,230	171.6	5,952	167.5	1,278	193.5	1,893	44.9	1,598	45.0	295	44.7
1977	2	0.0	1	0.0	1	0.1	9	0.2	4	0.1	5	0.7	7,543	175.5	6,242	172.1	1,301	193.8	2,038	47.4	1,720	47.4	318	47.4
1978	2	0.0	2	0.1	.....	.....	.....	.....	.....	.....	.....	.....	7,521	172.6	6,258	170.0	1,263	186.9	2,077	47.7	1,798	48.8	279	41.3

YEAR	DIABETES MELLITUS						DISEASES OF HEART						CEREBROVASCULAR DISEASE						ARTERIOSCLEROSIS					
	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	396	11.2	294	9.9	102	17.4	10,792	304.3	8,923	301.3	1,869	319.5	4,548	128.2	3,510	118.5	1,038	177.4	598	16.9	492	16.6	106	18.1
1960	420	11.7	314	10.5	106	18.0	11,209	313.5	9,356	313.4	1,853	313.9	4,681	130.9	3,582	120.0	1,099	186.2	666	18.6	556	18.6	110	18.6
1961	419	11.6	304	10.1	115	19.3	11,024	305.2	9,251	306.6	1,773	298.3	4,704	130.2	3,650	121.0	1,054	177.3	701	19.4	583	19.3	118	19.9
1962	455	12.5	345	11.3	110	18.4	11,911	326.6	9,909	325.0	2,002	334.5	4,925	135.0	3,772	123.7	1,153	192.7	756	20.7	650	21.3	106	17.7
1963	428	11.6	334	10.8	94	15.6	12,484	339.0	10,424	338.4	2,060	341.9	5,008	136.0	3,801	123.4	1,207	200.3	668	18.1	572	18.6	96	15.9
1964	448	12.0	325	10.6	119	19.6	12,478	335.6	10,320	331.6	2,158	355.8	4,879	131.2	3,714	119.3	1,165	192.1	690	18.6	589	18.9	101	16.7
1965	461	12.3	343	10.9	118	19.3	12,674	337.6	10,576	336.4	2,098	343.6	4,934	131.4	3,773	120.0	1,161	190.2	744	19.8	651	20.7	93	15.2
1966	492	13.0	368	11.6	124	20.2	13,418	354.0	11,149	351.1	2,269	369.2	5,025	132.6	3,885	122.3	1,140	185.5	761	20.1	665	20.9	96	15.6
1967	498	13.0	378	11.8	120	19.4	13,061	341.4	10,994	342.8	2,067	334.1	5,020	131.2	3,822	119.2	1,198	193.6	709	18.5	618	19.3	91	14.7
1968	571	14.8	426	13.2	145	23.3	14,059	364.1	11,638	359.4	2,421	388.8	5,146	133.3	3,943	121.8	1,203	193.2	633	16.4	542	16.7	91	14.6
1969	607	15.6	433	13.2	174	27.8	14,211	364.7	11,861	362.7	2,350	375.0	5,096	130.8	3,961	121.1	1,135	181.1	634	16.3	544	16.6	90	14.4
1970	619	15.7	460	13.9	159	25.2	14,175	360.5	11,797	357.4	2,378	376.8	5,057	128.6	3,949	119.6	1,108	175.6	538	13.7	478	14.5	60	9.5
1971	675	16.9	498	14.9	177	27.6	14,384	360.5	11,878	354.6	2,506	391.3	4,997	125.2	3,963	118.3	1,034	161.5	558	14.0	486	14.5	72	11.2
1972	651	16.1	497	14.7	154	24.0	14,764	366.3	12,355	364.5	2,409	375.5	5,215	129.4	4,168	123.0	1,047	163.2	617	15.3	529	15.6	88	13.7
1973	610	14.9	454	13.2	156	24.1	14,869	363.1	12,372	358.8	2,495	385.4	5,339	130.4	4,267	123.8	1,071	165.5	641	15.7	544	15.8	97	15.0
1974	629	15.2	454	13.0	175	26.9	14,564	352.7	12,181	350.1	2,383	366.9	5,204	126.0	4,204	120.8	1,000	154.0	669	16.2	571	16.4	98	15.1
1975	612	14.6	446	12.6	166	25.2	14,124	337.2	11,841	335.5	2,280	345.9	4,902	117.0	3,929	111.3	973	147.6	622	14.9	532	15.1	90	13.7
1976	548	13.0	397	11.2	151	22.9	14,376	341.1	12,112	340.9	2,261	342.3	4,862	115.4	3,938	110.8	924	139.9	570	13.5	496	14.0	74	11.2
1977	565	13.1	432	11.9	133	19.8	14,321	333.1	11,963	329.8	2,358	351.2	4,561	106.1	3,694	101.8	867	129.1	582	13.5	514	14.2	68	10.1
1978	525	12.0	385	10.5	140	20.7	13,985	321.0	11,807	320.7	2,178	322.4	4 283	98.3	3,480	94.5	803	118.9	615	14.1	520	14.1	95	14.1

YEAR	INFLUENZA						PNEUMONIA						BRONCHITIS, EMPHYSEMA AND ASTHMA						EMPHYSEMA					
	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	132	3.7	72	2.4	60	10.3	1,145	32.3	833	28.1	312	53.3	292	8.2	243	8.2	49	8.4	130	3.7	113	3.8	17	2.9
1960	282	7.9	199	6.7	83	14.1	1,167	32.6	860	28.8	307	52.0	350	9.8	296	9.9	54	9.1	177	4.9	157	5.3	20	3.4
1961	81	2.2	48	1.6	33	5.6	1,245	34.5	930	30.8	315	53.0	337	9.3	288	9.5	49	8.2	180	5.0	166	5.5	14	2.4
1962	183	5.0	117	3.8	66	11.0	1,260	34.5	934	30.6	326	54.5	401	11.0	342	11.2	59	9.9	233	6.4	208	6.8	25	4.2
1963	342	9.3	222	7.2	120	19.9	1,538	41.8	1,077	35.0	461	76.5	460	12.5	400	13.0	60	10.0	268	7.3	246	8.0	22	3.7
1964	52	1.4	35	1.1	17	2.8	1,471	39.6	1,086	34.9	385	63.5	447	12.0	395	12.4	62	10.2	264	7.1	240	7.7	24	4.0
1965	70	1.9	53	1.7	17	2.8	1,286	34.3	975	31.0	311	50.9	598	15.9	526	16.7	72	11.8	391	10.4	361	11.5	30	4.9
1966	78	2.1	58	1.8	20	3.3	1,357	35.8	1,006	31.7	351	57.1	571	15.1	502	15.8	69	11.2	390	10.3	348	11.0	42	6.8
1967	45	1.2	30	0.9	15	2.4	1,202	31.4	960	29.9	242	39.1	579	15.1	509	15.9	70	11.3	379	9.9	341	10.6	38	6.1
1968	185	4.8	150	4.6	35	5.6	1,192	30.9	916	28.3	276	44.3	599	15.5	544	16.8	55	8.8	421	10.9	396	12.2	25	4.0
1969	195	5.0	148	4.5	47	7.5	1,207	31.0	975	29.8	232	37.0	658	16.9	601	18.4	57	9.1	455	11.7	431	13.2	24	3.8
1970	174	4.4	152	4.6	22	3.5	1,777	29.9	939	28.4	238	37.7	683	17.4	622	18.8	61	9.7	465	11.8	442	13.4	23	3.6
1971	28	0.7	24	0.7	4	0.6	1,165	29.2	938	28.0	227	35.4	538	13.5	504	15.0	34	5.3	379	9.5	368	11.0	11	1.7
1972	122	3.0	109	3.2	13	2.0	1,142	28.3	950	28.0	192	29.9	595	14.8	539	15.9	56	8.7	433	10.7	404	11.9	29	4.5
1973	127	3.1	112	3.2	15	2.3	1,070	26.1	897	26.0	173	26.7	658	16.1	603	17.5	55	8.5	474	11.6	442	12.8	32	4.9
1974	79	1.9	71	2.0	8	1.2	945	22.9	814	23.4	131	20.2	590	14.3	542	15.6	48	7.4	412	10.0	391	11.2	21	3.2
1975	129	3.1	120	3.4	9	1.4	972	23.2	810	23.0	162	24.6	529	12.6	501	14.2	28	4.2	374	8.9	358	10.1	16	2.4
1976	156	3.7	139	3.9	17	2.6	1,084	25.7	911	25.6	173	26.2	472	11.2	429	12.1	43	6.5	339	8.0	317	8.9	22	3.3
1977	39	0.9	35	1.0	4	0.6	1,031	24.0	894	24.6	137	20.4	469	10.9	432	11.9	37	5.5	316	7.4	303	8.4	13	1.9
1978	66	1.5	60	1.6	6	0.9	1,093	25.1	938	25.5	155	22.9	468	10.7	431	11.7	37	5.5	346	7.9	324	8.8	22	3.3

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° Total includes one or more deaths with race not stated.

TABLE II (Continued)—DEATHS FROM IMPORTANT CAUSES WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1959-1978§

YEAR	HERNIA AND INTESTINAL OBSTRUCTION						CIRRHOSIS OF LIVER						CHOLELITHIASIS, CHOLECYSTITIS AND CHOLANGITIS						NEPHRITIS AND NEPHROSIS					
	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	135	3.8	98	3.3	37	6.3	184	5.2	144	4.9	40	6.8	66	1.9	58	2.0	8	1.4	294	8.3	186	6.3	108	18.5
1960	132	3.7	108	3.6	24	4.1	190	5.3	171	5.7	19	3.2	99	2.8	89	3.0	10	1.7	316	8.8	203	6.8	113	19.1
1961	136	3.8	113	3.7	23	3.9	203	5.6	163	5.4	40	6.7	73	2.0	64	2.1	9	1.5	327	9.1	218	7.2	109	18.3
1962	145	4.0	116	3.8	29	4.8	206	5.6	161	5.3	45	7.5	92	2.5	77	2.5	15	2.5	302	8.3	197	6.5	105	17.5
1963	164	4.5	135	4.4	29	4.8	250	6.8	209	6.8	41	6.8	100	2.7	95	3.1	5	0.8	325	8.8	219	7.1	106	17.6
1964	178	4.8	140	4.5	38	6.3	254	6.8	210	6.7	44	7.3	81	2.2	72	2.3	9	1.5	305	8.2	209	6.7	96	15.8
1965	159	4.2	126	4.0	33	5.4	256	6.8	197	6.3	59	9.7	98	2.6	91	2.9	7	1.1	281	7.5	198	6.3	83	13.6
1966	167	4.4	145	4.6	22	3.6	248	6.5	211	6.6	37	6.0	95	2.5	89	2.8	6	1.0	247	6.5	167	5.3	80	13.0
1967	191	5.0	152	4.7	39	6.3	298	7.8	241	7.5	57	9.2	104	2.7	88	2.7	16	2.6	230	6.0	155	4.8	75	12.1
1968	107	2.8	83	2.6	24	3.9	297	7.7	246	7.6	51	8.2	102	2.6	88	2.7	14	2.2	220	5.7	146	4.5	74	11.9
1969	106	2.7	92	2.8	14	2.2	326	8.4	260	8.0	66	10.5	116	3.0	98	3.0	18	2.9	208	5.3	134	4.1	74	11.8
1970	117	3.0	89	2.7	28	4.4	393	10.0	320	9.7	73	11.6	121	3.1	107	3.2	14	2.2	192	4.9	121	3.7	71	11.3
1971	119	3.0	90	2.7	29	4.5	354	8.9	300	9.0	54	8.4	112	2.8	104	3.1	8	1.2	162	4.1	105	3.1	57	8.9
1972	115	2.9	100	3.0	15	2.3	353	8.8	286	8.4	67	10.4	110	2.7	99	2.9	11	1.7	193	4.8	116	3.4	77	12.0
1973	112	2.7	85	2.5	27	4.2	449	11.0	364	10.6	85	13.1	81	2.0	75	2.2	6	0.9	160	3.9	107	3.1	53	8.2
1974	113	2.7	88	2.5	25	3.8	444	10.8	369	10.6	75	11.5	88	2.1	79	2.3	9	1.4	185	4.5	111	3.2	74	11.4
1975	106	2.5	85	2.4	21	3.2	401	9.6	321	9.1	80	12.1	101	2.4	87	2.5	14	2.1	198	4.7	123	3.5	75	11.4
1976	106	2.5	83	2.3	23	3.5	387	9.2	345	9.7	42	6.4	82	1.9	75	2.1	7	1.1	201	4.8	126	3.5	75	11.4
1977	95	2.2	74	2.0	21	3.1	407	9.5	341	9.4	66	9.8	71	1.7	61	1.7	10	1.5	184	4.3	116	3.2	68	10.1
1978	104	2.4	81	2.2	23	3.4	398	9.1	335	9.1	63	9.3	84	1.9	76	2.1	8	1.2	230	5.3	135	3.7	95	14.1

YEAR	COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM†						CONGENITAL ANOMALIES						CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY						SYMPTOMS AND ILL-DEFINED CONDITIONS					
	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	42	5.1	21	3.3	21	11.4	422	11.9	351	11.9	71	12.1	1,354	38.2	974	32.9	380	65.0	1,445	40.7	897	30.3	548	93.7
1960	36	4.4	19	3.0	17	9.3	434	12.1	364	12.2	70	11.9	1,293	36.2	904	30.3	389	65.9	1,544	43.2	910	30.5	634	107.4
1961	32	3.9	21	3.3	11	6.0	420	11.6	345	11.4	75	12.6	1,256	34.8	901	29.9	355	59.7	1,427	39.5	799	26.5	627	105.5
1962	42	5.2	23	3.7	19	10.6	405	11.1	330	10.8	75	12.5	1,269	34.8	889	29.2	380	63.5	1,076	29.5	684	22.4	392	65.5
1963	38	4.8	17	2.7	21	12.0	422	11.5	335	10.9	87	14.4	1,192	32.4	812	26.4	380	63.1	878	23.8	590	19.2	288	47.8
1964	32	4.0	14	2.2	18	10.2	447	12.0	345	11.1	102	16.8	1,209	32.5	840	27.0	369	60.8	804	21.6	522	16.8	282	46.5
1965	24	3.3	9	1.6	15	9.0	387	10.3	297	9.4	90	14.7	1,094	29.1	746	23.7	348	57.0	675	18.0	437	13.9	238	39.0
1966	24	3.5	11	2.0	13	8.6	391	10.3	301	9.5	90	14.6	965	25.5	658	20.7	307	50.0	690	18.2	443	14.0	247	40.2
1967	27	4.0	17	3.2	10	6.8	372	9.7	294	9.2	78	12.6	913	23.9	615	19.2	298	48.2	648	16.9	414	12.9	234	37.8
1968	29	4.3	12	2.3	17	11.9	376	9.7	308	9.5	68	10.9	859	22.2	608	18.8	251	40.3	443	11.5	268	8.3	175	28.1
1969	24	3.4	11	2.0	13	8.8	339	8.7	278	8.5	61	9.7	881	22.6	585	17.9	296	47.2	503	12.9	369	11.3	134	21.4
1970	18	2.5	10	1.8	8	5.2	381	9.7	307	9.3	74	11.7	889	22.6	627	19.0	262	41.5	504	12.8	380	11.5	124	19.6
1971	21	2.9	7	1.2	14	9.3	339	8.5	284	8.5	55	8.6	847	21.2	604	18.0	243	37.9	452	11.3	339	10.1	113	17.6
1972	16	2.4	10	1.9	6	4.2	384	9.5	304	9.0	80	12.5	754	18.7	499	14.7	255	39.8	552	13.7	406	12.0	146	22.8
1973	23	3.6	11	2.2	12	8.5	325	7.9	266	7.7	59	9.1	*726	17.7	499	14.5	226	34.9	557	13.6	414	12.0	143	22.1
1974	24	3.7	17	3.4	7	5.0	304	7.4	242	7.0	62	9.5	619	15.0	412	11.8	207	31.9	689	16.7	523	15.0	166	25.6
1975	15	2.4	6	1.2	9	6.5	298	7.1	244	6.9	54	8.2	526	12.6	337	9.5	189	28.7	*698	16.7	529	15.0	168	25.5
1976	7	1.1	3	0.6	4	2.9	228	5.4	182	5.1	46	7.0	522	12.4	349	9.8	173	26.2	*745	17.7	593	16.7	150	22.7
1977	16	2.4	7	1.3	9	6.2	281	6.5	222	6.1	59	8.8	481	11.2	318	8.8	163	24.3	853	19.8	698	19.2	157	23.4
1978	10	1.5	4	0.8	6	3.9	278	6.4	219	5.9	59	8.7	460	10.6	304	8.3	156	23.1	901	20.7	731	19.9	170	25.2

YEAR	ACCIDENTS, ALL TYPES						MOTOR VEHICLE ACCIDENTS								SUICIDE						HOMICIDE					
	TOTAL		WHITE		NONWHITE		TOTAL			WHITE		NONWHITE			TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate (1)	Rate (2)	No.	Rate	No.	Rate		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	1,938	54.6	1,579	53.3	359	61.4	834	23.5	6.3	725	24.5	109	18.6		326	9.2	299	10.1	27	4.6	234	6.6	110	3.7	124	21.2
1960	1,969	55.1	1,570	52.6	399	67.6	859	24.0	6.2	715	23.9	144	24.4		333	9.3	310	10.4	23	3.9	268	7.5	111	3.7	157	26.6
1961	1,825	50.5	1,485	49.2	340	57.2	795	22.0	5.6	692	22.9	103	17.3		346	9.6	336	11.1	10	1.7	263	7.3	118	3.9	145	24.4
1962	1,967	53.9	1,588	52.1	379	63.3	901	24.7	6.2	780	25.6	121	20.2		401	11.0	379	12.4	22	3.7	264	7.2	113	3.7	151	25.2
1963	2,100	57.0	1,724	56.0	376	62.4	977	26.5	6.5	844	27.4	133	22.1		359	9.7	337	10.9	22	3.7	266	7.2	131	4.3	135	22.4
1964	2,162	58.1	1,764	56.7	398	65.6	1,061	28.5	6.7	911	29.3	150	24.7		395	10.6	375	12.0	20	3.3	307	8.3	161	5.2	146	24.1
1965	2,247	59.9	1,884	59.9	363	59.5	1,143	30.4	6.8	1,007	32.0	136	22.3		379	10.1	356	11.3	23	3.8	316	8.4	162	5.2	154	25.2
1966	2,468	65.1	2,039	64.2	429	69.8	1,250	33.0	7.0	1,082	34.1	168	27.3		385	10.2	356	11.2	29	4.7	333	8.8	164	5.2	169	27.5
1967	2,466	64.5	2,053	64.0	413	66.8	1,286	33.6	6.8	1,107	34.5	179	28.9		404	10.6	385	12.0	19	3.1	379	9.9	186	5.8	193	31.2
1968	2,502	64.8	2,010	62.1	492	79.0	1,252	32.4	6.6	1,066	32.9	186	29.9		413	10.7	382	11.8	31	5.0	*412	10.7	205	6.3	206	33.1
1969	2,531	64.9	2,055	62.8	476	76.0	1,358	34.8	7.0	1,119	34.2	239	38.1		461	11.8	430	13.1	31	4.9	423	10.9	196	6.0	227	36.2
1970	*2,582	65.7	2,115	64.1	466	73.8	*1,406	35.8	6.8	1,218	36.9	187	29.6		497	12.6	459	13.9	38	6.0	441	11.2	240	7.3	201	31.8
1971	2,467	61.8	2,068	61.7	399	62.3	1,337	33.5	6.1	1,177	35.1	160	25.0		490	12.3	461	13.8	29	4.5	486	12.2	269	8.0	217	33.9
1972	2,602	64.5	2,153	63.5	449	70.0	1,401	34.8	6.0	1,204	35.5	197	30.7		469	11.6	440	13.0	29	4.5	549	13.6	278	8.2	271	42.2
1973	*2,698	65.9	2,268	65.8	429	66.3	1,442	35.2	5.5	1,246	36.1	196	30.3		490	12.0	460	13.3	30	4.6	550	13.4	262	7.6	288	44.5
1974	2,510	60.8	2,131	61.2	379	58.4	1,290	31.2	5.3	1,133	32.6	157	24.2		544	13.2	514	14.8	30	4.6	569	13.8	290	8.3	279	43.0
1975	2,310	55.2	1,936	54.9	374	56.7	1,142	27.3	4.1	971	27.5	171	25.9		567	13.5	525	14.9	42	6.4	568	13.6	302	8.6	266	40.4
1976	2,262	53.7	1,956	55.0	306	46.3	1,160	27.5	4.1	1,016	28.6	144	21.8		559	13.3	515	14.5	44	6.7	492	11.7	265	7.5	227	34.4
1977	2,440	56.8	2,070	57.1	370	55.1	*1,245	29.0	4.1	1,082	29.8	163	24.3		588	13.7	543	15.0	45	6.7	477	11.1	244	6.7	233	34.7
1978	2,460	56.5	2,092	56.8	368	54.5	1,294	29.7	4.4	1,121	30.5	173	25.6		548	12.6	523	14.2	25	3.7	456	10.5	241	6.5	215	31.8

§Cause titles are shown according to the *Eighth Revision International Classification of Diseases, Adapted*, 1965. Where necessary, regrouping of causes for 1959-1967 has been done to make numbers for these years correspond as nearly as possible with those for 1968-1978. For more detailed information see page 9 of this Bulletin.

†Rate per 10,000 live births.

*Total includes one or more deaths with race not stated.

(1)Rate per 100,000 population.

(2)Rate per 10,000 motor vehicles.

TABLE III—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX. RESIDENT DATA, TENNESSEE, 1959-1978§

YEAR	TOTAL DEATHS*														TUBERCULOSIS											
	TOTAL						WHITE				NONWHITE				TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE		TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	33,813	9.0	17,975	10.4	13,837	7.6	14,374	9.9	10,615	7.0	3,601	12.9	3,222	10.5	348	9.8	216	12.5	132	7.3	161	11.1	106	7.0	55	19.7	26	8.5
1960	32,892	9.2	18,619	10.7	14,271	7.8	14,891	10.2	10,957	7.2	3,728	13.2	3,314	10.7	357	10.0	220	12.6	137	7.5	173	11.8	103	6.8	47	16.7	34	11.0
1961	32,625	9.0	18,353	10.4	14,271	7.7	14,651	9.9	11,092	7.2	3,701	13.1	3,179	10.2	291	8.1	201	11.4	90	4.9	149	10.1	69	4.5	52	18.4	21	6.7
1962	34,025	9.3	19,023	10.7	15,001	8.0	15,185	10.2	11,667	7.5	3,838	13.5	3,334	10.6	308	8.4	196	11.0	112	6.0	147	9.9	90	5.8	49	17.2	22	7.0
1963	35,633	9.7	20,287	11.3	15,344	8.1	16,272	10.8	11,950	7.6	4,015	14.0	3,394	10.7	295	8.0	194	10.8	101	5.3	145	9.6	82	5.2	49	17.1	19	6.0
1964	34,815	9.4	19,649	10.9	15,162	7.9	15,727	10.3	11,867	7.5	3,922	13.6	3,295	10.3	257	6.9	178	9.8	79	4.1	139	9.1	60	3.8	39	13.6	19	6.0
1965	35,049	9.3	19,797	10.9	15,250	7.9	16,061	10.5	12,053	7.5	3,736	12.9	3,197	9.9	251	6.7	176	9.7	75	3.9	140	9.1	58	3.6	36	12.5	17	5.3
1966	36,108	9.5	20,473	11.1	15,632	8.0	16,589	10.7	12,282	7.5	3,884	13.4	3,350	10.3	235	6.2	158	8.6	77	3.9	129	8.3	57	3.5	29	10.0	20	6.2
1967	35,736	9.3	20,483	11.0	15,251	7.7	16,713	10.7	12,128	7.4	3,770	12.9	3,123	9.6	205	5.4	124	6.7	81	4.1	97	6.2	56	3.4	27	9.3	25	7.6
1968	37,373	9.7	21,256	11.4	16,116	8.1	17,120	10.9	12,706	7.6	4,136	14.1	3,409	10.3	181	4.7	110	5.9	71	3.6	79	5.0	53	3.2	31	10.6	18	5.5
1969	37,832	9.7	21,370	11.3	16,461	8.2	17,367	10.9	13,073	7.8	4,003	13.6	3,383	10.2	161	4.1	115	6.1	46	2.3	97	6.1	34	2.0	18	6.1	12	3.6
1970	38,079	9.7	21,653	11.4	16,425	8.1	17,796	11.1	13,081	7.7	3,856	13.0	3,334	10.0	140	3.6	93	4.9	47	2.3	74	4.6	29	1.7	19	6.4	18	5.4
1971	37,783	9.5	21,325	11.1	16,456	8.0	17,427	10.7	13,242	7.7	3,898	13.0	3,214	9.5	139	3.5	88	4.6	51	2.5	60	3.7	40	2.3	28	9.3	11	3.2
1972	39,345	9.8	22,409	11.5	16,934	8.1	18,226	11.1	13,812	7.9	4,183	13.9	3,122	9.2	145	3.6	86	4.4	59	2.8	63	3.8	44	2.5	23	7.6	15	4.4
1973	39,724	9.7	22,421	11.3	17,299	8.2	18,350	11.0	13,967	7.9	4,062	13.4	3,331	9.7	118	2.9	79	4.0	39	1.8	58	3.5	31	1.7	21	6.9	8	2.3
1974	39,376	9.5	22,070	11.1	17,305	8.1	18,187	10.8	14,027	7.8	3,881	12.8	3,276	9.5	111	2.7	72	3.6	39	1.8	53	3.1	30	1.7	19	6.2	9	2.6
1975	38,522	9.2	21,570	10.7	16,952	7.8	17,752	10.4	13,752	7.6	3,813	12.3	3,200	9.1	121	2.9	86	4.3	35	1.6	70	4.1	26	1.4	16	5.2	9	2.6
1976	38,938	9.2	21,933	10.8	17,002	7.8	18,161	10.5	13,922	7.6	3,769	12.2	3,078	8.8	101	2.4	65	3.2	36	1.6	54	3.1	32	1.7	11	3.6	4	1.1
1977	39,080	9.1	22,036	10.6	17,044	7.7	18,209	10.4	13,901	7.4	3,827	12.1	3,143	8.9	123	2.9	79	3.8	44	2.0	68	3.9	32	1.7	11	3.5	12	3.4
1978	38,654	8.9	21,591	10.3	17,062	7.6	17,939	10.1	14,024	7.4	3,652	11.5	3,038	8.5	78	1.8	44	2.1	34	1.5	30	1.7	31	1.6	14	4.4	3	0.8

YEAR	SYPHILIS AND ITS SEQUELAE														MALIGNANT NEOPLASMS											
	TOTAL						WHITE				NONWHITE				TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE		TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	37	1.0	29	1.7	8	0.4	18	1.2	2	0.1	11	3.9	6	2.0	4,416	124.5	2,312	133.5	2,104	116.0	1,919	132.1	1,717	113.8	393	140.7	387	126.6
1960	39	1.1	28	1.6	11	0.6	14	1.0	5	0.3	14	5.0	6	1.9	4,381	122.5	2,261	129.6	2,120	115.8	1,881	128.6	1,747	114.7	380	135.0	373	120.8
1961	36	1.0	29	1.6	7	0.4	14	0.9	3	0.2	15	5.3	4	1.3	4,634	128.3	2,381	135.3	2,253	121.7	1,956	132.4	1,819	118.1	425	150.2	434	139.4
1962	37	1.0	28	1.6	9	0.5	13	0.9	3	0.2	15	5.3	6	1.9	4,650	127.5	2,371	133.5	2,279	121.8	1,968	131.9	1,842	118.3	403	141.7	437	139.2
1963	31	0.8	20	1.1	11	0.6	7	0.5	2	0.1	13	4.5	9	2.8	5,134	139.4	2,745	153.2	2,389	126.3	2,263	150.3	1,924	122.2	482	168.6	465	146.9
1964	28	0.8	23	1.3	5	0.3	10	0.7	3	0.2	13	4.5	2	0.6	4,888	131.4	2,516	139.2	2,372	124.1	2,090	137.5	1,929	121.2	426	148.2	443	138.8
1965	19	0.5	15	0.8	4	0.2	5	0.3	1	0.1	10	3.5	3	0.9	5,108	136.1	2,703	148.3	2,405	124.5	2,228	145.2	1,987	123.5	475	164.4	418	130.0
1966	27	0.7	16	0.9	11	0.6	8	0.5	7	0.4	8	2.8	4	1.2	5,202	137.3	2,758	150.0	2,444	125.3	2,297	148.3	1,980	121.7	461	158.8	464	143.1
1967	28	0.7	20	1.1	8	0.4	5	0.3	.....	.....	15	5.1	8	2.4	5,465	143.9	2,902	156.5	2,563	130.0	2,403	153.8	2,132	129.7	499	171.0	431	131.9
1968	11	0.3	10	0.5	1	0.1	2	0.1	.....	.....	8	2.7	1	0.3	5,733	148.5	3,062	163.7	2,671	134.1	2,511	159.2	2,202	132.5	551	187.9	469	142.4
1969	13	0.3	6	0.3	7	0.3	2	0.1	1	0.1	4	1.4	6	1.8	5,753	147.6	3,149	167.0	2,604	129.5	2,568	161.4	2,136	127.2	581	197.1	468	141.0
1970	10	0.3	8	0.4	2	0.1	2	0.1	1	0.1	6	2.0	1	0.3	6,004	152.7	3,298	173.4	2,706	133.3	2,738	170.6	2,226	131.3	560	188.9	480	143.5
1971	9	0.2	4	0.2	5	0.2	1	0.1	2	0.1	3	1.0	3	0.9	6,089	152.6	3,365	174.4	2,724	132.2	2,772	170.2	2,276	132.3	593	197.1	448	131.9
1972	10	0.2	6	0.3	4	0.2	.....	.....	1	0.1	6	2.0	3	0.9	6,296	156.2	3,488	178.9	2,808	134.9	2,864	173.8	2,351	135.0	624	207.0	457	134.4
1973	15	0.4	10	0.5	5	0.2	4	0.2	3	0.2	6	2.0	2	0.6	6,519	159.2	3,688	186.5	2,831	133.7	2,998	179.1	2,330	131.3	687	226.4	500	145.4
1974	4	0.1	2	0.1	2	0.1	.....	.....	2	0.1	2	0.7	.....	.....	6,743	163.3	3,775	189.5	2,966	138.8	3,070	181.9	2,470	137.9	705	231.8	496	143.6
1975	5	0.1	3	0.1	2	0.1	1	0.1	1	0.1	2	0.6	1	0.3	6,895	164.6	3,824	189.3	3,071	141.6	3,138	183.4	2,554	139.9	686	222.0	527	150.5
1976	4	0.1	1	0.0	3	0.1	.....	.....	.....	.....	1	0.3	3	0.9	7,230	171.6	4,089	201.3	3,141	143.9	3,347	194.4	2,605	142.2	742	239.7	536	152.7
1977	9	0.2	6	0.3	3	0.1	2	0.1	2	0.1	4	1.3	1	0.3	7,543	175.5	4,300	207.4	3,243	145.7	3,543	201.6	2,699	144.3	757	239.3	544	153.2
1978	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,521	172.6	4,293	204.4	3,228	143.0	3,529	198.1	2,729	143.7	764	240.1	499	139.6

YEAR	DIABETES MELLITUS														DISEASES OF HEART											
	TOTAL						WHITE				NONWHITE				TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE		TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	396	11.2	159	9.2	237	13.1	133	9.2	161	10.7	26	9.3	76	24.9	10,792	304.3	6,311	364.4	4,481	246.9	5,311	365.6	3,612	239.4	1,000	358.0	869	284.3
1960	420	11.7	199	11.4	221	12.1	148	10.1	166	10.9	51	18.1	55	17.8	11,209	313.5	6,538	374.8	4,671	255.1	5,578	381.1	3,778	248.1	960	341.0	893	289.2
1961	419	11.6	178	10.1	241	13.0	135	9.1	169	11.0	43	15.2	72	23.1	11,024	305.2	6,479	368.1	4,545	245.5	5,504	372.6	3,747	243.1	975	344.5	798	256.3
1962	455	12.5	191	10.8	264	14.1	154	10.3	191	12.3	37	13.0	73	23.3	11,911	326.6	6,919	389.6	4,992	266.8	5,870	393.6	4,039	259.3	1,049	368.7	953	301.6
1963	428	11.6	176	9.8	252	13.3	142	9.4	192	12.2	34	11.9	60	19.0	12,484	339.0	7,385	412.2	5,099	269.6	6,288	417.6	4,136	262.6	1,097	383.6	963	304.3
1964	448	12.0	184	10.2	264	13.8	140	9.2	189	11.9	44	15.3	75	23.5	12,478	335.6	7,213	399.1	5,265	275.5	6,088	400.5	4,232	265.8	1,125	391.4	1,033	323.7
1965	461	12.3	179	9.8	282	14.6	135	8.8	208	12.9	44	15.2	74	23.0	12,674	337.6	7,386	405.1	5,288	275.8	6,282	409.5	4,294	266.8	1,104	382.1	994	309.0
1966	492	13.0	193	10.5	299	15.3	164	10.6	204	12.5	29	10.0	95	29.3	13,418	354.0	7,910	430.2	5,508	282.3	6,704	433.0	4,445	273.2	1,206	415.3	1,063	327.8
1967	498	13.0	193	10.4	305	15.5	156	10.0	222	13.5	37	12.7	83	25.4	13,061	341.4	7,754	418.1	5,307	269.2	6,637	424.7	4,357	265.0	1,117	382.8	950	290.7
1968	571	14.8	220	11.8	351	17.6	180	11.4	246	14.8	40	13.6	105	31.9	14,059	364.1	8,255	441.4	5,804	291.5	6,959	441.3	4,679	281.6	1,296	441.9	1,125	341.5
1969	607	15.6	228	12.1	379	18.8	175	11.0	258	15.4	53	18.0	121	36.5	14,211	364.7	8,181	433.8	6,030	299.8	6,977	438.5	4,884	290.9	1,204	408.5	1,146	345.2
1970	619	15.7	254	13.4	365	18.0	190	11.8	270	15.9	64	21.6	95	28.4	14,175	360.5	8,219	432.2	5,956	293.4	6,949	432.9	4,848	285.9	1,270	428.3	1,108	331.2
1971	675	16.9	274	14.2	401	19.5	205	12.6	293	17.0	69	22.9	108	31.8	14,384	360.5	8,212	425.5	6,172	299.6	6,882	422.5	4,996	290.3	1,330	442.1	1,176	346.4
1972	651	16.1	276	14.2	375	18.0	224	13.6	273	15.7	52	17.3	102	30.0	14,764	366.3	8,583	440.2	6,181	297.0	7,231	438.7	5,124	294.3	1,352	448.6	1,057	310.8
1973	610	14.9	249	12.6	361	17.0	196	11.7	258	14.5	53	17.5	103	29.9	14,869	363.1	8,495	429.7	6,373	300.9	7,215	431.1	5,156	290.7	1,278	421.2	1,217	353.9
1974	629	15.2	215	10.8	414	19.4	154	9.1	300	16.7	61	20.1	114	33.0	14,564	352.7	8,295	416.4	6,269	293.4	7,064	418.5	5,117	285.6	1,231	404.7	1,152	333.6
1975	612	14.6	253	12.5	359	16.6	200	11.7	246	13.5	53	17.2	113	32.3	14,124	337.2	8,072	399.6	6,052	279.1	6,899	403.2	4,942	271.8	1,170	378.7	1,110	317.0
1976	548	13.0	202	9.9	346	15.9	147	8.5	250	13.7	55	17.8	96	27.4	14,376	341.1	8,124	399.9	6,251	286.4	6,939	403.0	5,172	282.4	1,182	381.8	1,079	307.4
1977	565	13.1	208	10.0	357	16.0	160	9.1	272	14.5	48	15.2	85	23.9	14,321	333.1	8,098	390.6	6,223	279.6	6,885	391.8	5,078	271.5	1,213	383.4	1,145	322.5
1978	525	12.0	217	10.3	308	13.6	168	9.4	217	11.4	49	15.4	91	25.5	13,985	321.0	7,729	368.1	6,256	277.2	6,622	371.7	5,185	272.9	1,107	347.9	1,071	299.7

§ Cause titles are shown according to the *Eighth Revision International Classification of Diseases, Adapted*, 1965. Where necessary, regrouping of causes for 1959-1967 has been done to make numbers for these years correspond as nearly as possible with those for 1968-1978. For more detailed information see page 9 of this Bulletin.

* Rate per 1,000 population.

^ Total includes one or more deaths with race and/or sex not stated.

TABLE III (Continued)—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1959-1978§

CEREBROVASCULAR DISEASE

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	4,548	128.2	2,231	128.8	2,317	127.7	1,794	123.5	1,716	113.7	437	156.5	601	196.6
1960	4,681	130.9	2,305	132.1	2,376	129.7	1,808	123.6	1,774	116.5	497	176.5	602	195.0
1961	4,704	130.2	2,308	131.1	2,396	129.4	1,826	123.6	1,824	118.4	482	170.3	572	183.7
1962	4,925	135.0	2,398	135.0	2,527	135.0	1,836	123.1	1,936	124.3	562	197.5	591	188.2
1963	5,008	136.0	2,402	134.1	2,606	137.8	1,820	120.9	1,981	125.8	582	203.5	625	197.5
1964	4,879	131.2	2,363	130.7	2,516	131.6	1,784	117.4	1,930	121.2	579	201.4	586	183.6
1965	4,934	131.4	2,347	128.7	2,587	134.0	1,797	117.1	1,976	122.8	550	190.4	611	190.0
1966	5,025	132.6	2,398	130.4	2,627	134.6	1,835	118.5	2,050	126.0	563	193.9	577	178.0
1967	5,020	131.2	2,412	130.1	2,608	132.3	1,849	118.3	1,973	120.0	563	192.9	635	194.3
1968	5,146	133.3	2,360	126.2	2,786	139.9	1,803	114.3	2,140	128.8	557	189.9	646	196.1
1969	5,096	130.8	2,402	127.4	2,694	134.0	1,846	116.0	2,115	126.0	556	188.6	579	174.4
1970	5,057	128.6	2,337	122.9	2,720	134.0	1,844	114.9	2,105	124.1	493	166.3	615	183.8
1971	4,997	125.2	2,323	120.4	2,674	129.8	1,809	111.1	2,154	125.2	514	170.8	520	153.2
1972	5,215	129.4	2,405	123.4	2,810	135.0	1,898	115.2	2,270	130.4	507	168.2	540	158.8
1973	5,339	130.4	2,346	118.7	2,993	141.3	1,835	109.6	2,432	137.1	510	168.1	561	163.1
1974	5,204	126.0	2,268	113.8	2,936	137.4	1,8[illegible]	108.8	2,367	132.1	431	141.7	569	164.8
1975	4,902	117.0	2,151	106.5	2,751	126.9	1,687	98.6	2,242	123.3	464	150.2	509	145.4
1976	4,862	115.4	2,197	108.1	2,663	122.0	1,756	102.0	2,180	119.0	441	142.4	483	137.6
1977	4,561	106.1	1,946	93.9	2,615	117.5	1,573	89.5	2,121	113.4	373	117.9	494	139.1
1978	4,283	98.3	1,858	88.5	2,425	107.4	1,477	82.9	2,003	105.4	381	119.7	422	118.1

ARTERIOSCLEROSIS

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	598	16.9	293	16.9	305	16.8	228	15.7	264	17.5	65	23.3	41	13.4
1960	666	18.6	353	20.2	313	17.1	288	19.7	268	17.6	65	23.1	45	14.6
1961	701	19.4	321	18.2	380	20.5	262	17.7	321	20.8	59	20.8	59	18.9
1962	756	20.7	335	18.9	421	22.5	276	18.5	374	24.0	59	20.7	47	15.0
1963	668	18.1	312	17.4	356	18.8	266	17.7	306	19.4	46	16.1	50	15.8
1964	690	18.6	309	17.1	381	19.9	266	17.5	323	20.3	43	15.0	58	18.2
1965	744	19.8	338	18.5	406	21.0	295	19.2	356	22.1	43	14.9	50	15.5
1966	761	20.1	340	18.5	421	21.6	299	19.3	366	22.5	41	14.1	55	17.0
1967	709	18.5	350	18.9	359	18.2	298	19.1	320	19.5	52	17.8	39	11.9
1968	633	16.4	279	14.9	354	17.8	230	14.6	312	18.8	49	16.7	42	12.8
1969	634	16.3	260	13.8	374	18.6	219	13.8	325	19.4	41	13.9	49	14.8
1970	538	13.7	239	12.6	299	14.7	205	12.8	273	16.1	34	11.5	26	7.8
1971	558	14.0	222	11.5	336	16.3	194	11.9	292	17.0	28	9.3	44	13.0
1972	617	15.3	262	13.4	355	17.1	218	13.2	311	17.9	44	14.6	44	12.9
1973	641	15.7	272	13.8	369	17.4	225	13.4	319	18.0	47	15.5	50	14.5
1974	669	16.2	268	13.5	401	18.8	224	13.3	347	19.4	44	14.5	54	15.6
1975	622	14.9	247	12.2	375	17.3	201	11.7	331	18.2	46	14.9	44	12.6
1976	570	13.5	242	11.9	328	15.0	209	12.1	287	15.7	33	10.7	41	11.7
1977	582	13.5	245	11.8	337	15.1	210	12.0	304	16.3	35	11.1	33	9.3
1978	615	14.1	222	10.6	393	17.4	190	10.7	330	17.4	32	10.1	63	17.6

INFLUENZA

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	132	3.7	55	3.2	77	4.2	27	1.9	45	3.0	28	10.0	32	10.5
1960	282	7.9	147	8.4	135	7.4	102	7.0	97	6.4	45	16.0	38	12.3
1961	81	2.2	32	1.8	49	2.6	16	1.1	32	2.1	16	5.7	17	5.5
1962	183	5.0	81	4.6	102	5.5	57	3.8	60	3.9	24	8.4	42	13.4
1963	342	9.3	166	9.3	176	9.3	113	7.5	109	6.9	53	18.5	67	21.2
1964	52	1.4	24	1.3	28	1.5	17	1.1	18	1.1	7	2.4	10	3.1
1965	70	1.9	29	1.6	41	2.1	24	1.6	29	1.8	5	1.7	12	3.7
1966	78	2.1	30	1.6	48	2.5	23	1.5	35	2.2	7	2.4	13	4.0
1967	45	1.2	17	0.9	28	1.4	12	0.8	18	1.1	5	1.7	10	3.1
1968	185	4.8	92	4.9	93	4.7	72	4.6	78	4.7	20	6.8	15	4.6
1969	195	5.0	91	4.8	104	5.2	64	4.0	84	5.0	27	9.2	20	6.0
1970	174	4.4	89	4.7	85	4.2	77	4.8	75	4.4	12	4.0	10	3.0
1971	28	0.7	11	0.6	17	0.8	9	0.6	15	0.9	2	0.7	2	0.6
1972	122	3.0	60	3.1	62	3.0	53	3.2	56	3.2	7	2.3	6	1.8
1973	127	3.1	65	3.3	62	2.9	56	3.3	56	3.2	9	3.0	6	1.7
1974	79	1.9	44	2.2	35	1.6	38	2.3	33	1.8	6	2.0	2	0.6
1975	129	3.1	69	3.4	60	2.8	64	3.7	56	3.1	5	1.6	4	1.1
1976	156	3.7	68	3.3	88	4.0	61	3.5	78	4.3	7	2.3	10	2.8
1977	39	0.9	14	0.7	25	1.1	12	0.7	23	1.2	2	0.6	2	0.6
1978	66	1.5	24	1.1	42	1.9	22	1.2	38	2.0	2	0.6	4	1.1

PNEUMONIA

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	1,145	32.1	616	35.6	529	29.2	426	29.3	407	27.0	190	68.0	122	39.9
1960	1,167	32.6	628	36.0	539	29.4	442	30.2	418	27.5	186	66.1	121	39.2
1961	1,245	34.5	654	37.2	591	31.9	475	32.2	455	29.5	179	63.2	136	43.7
1962	1,260	34.5	690	38.9	570	30.5	493	33.1	441	28.3	197	69.2	129	41.1
1963	1,538	41.8	837	46.7	701	37.1	583	38.7	494	31.4	254	88.8	207	65.4
1964	1,471	39.6	813	45.0	658	34.4	583	38.4	503	31.6	230	80.0	155	48.6
1965	1,286	34.3	702	38.5	584	30.2	523	34.1	452	28.1	179	62.0	132	41.0
1966	1,357	35.8	721	39.2	636	32.6	526	34.0	480	29.5	195	67.2	156	48.1
1967	1,202	31.4	655	35.3	547	27.8	520	33.3	440	26.8	135	46.3	107	32.7
1968	1,192	30.9	632	33.8	560	28.1	470	29.8	446	26.8	162	55.2	114	34.6
1969	1,207	31.0	689	36.5	518	25.8	549	34.5	426	25.4	140	47.5	92	27.7
1970	1,177	29.9	620	32.6	557	27.4	477	29.7	462	27.2	143	48.2	95	28.4
1971	1,165	29.2	641	33.2	524	25.4	519	31.9	419	24.4	122	40.5	105	30.9
1972	1,142	28.3	636	32.6	506	24.3	519	31.5	431	24.8	117	38.8	75	22.1
1973	1,070	26.1	588	29.7	482	22.8	484	28.9	413	23.3	104	34.3	69	20.1
1974	945	22.9	500	25.1	445	20.8	425	25.2	389	21.7	75	24.7	56	16.2
1975	972	23.2	527	26.1	445	20.5	437	25.5	373	20.5	90	29.1	72	20.6
1976	1,084	25.7	592	29.1	492	22.5	488	28.3	423	23.1	104	33.6	69	19.7
1977	1,031	24.0	599	28.9	432	19.4	513	29.2	381	20.4	86	27.2	51	14.4
1978	1,093	25.1	568	27.0	525	23.1	480	26.9	458	24.1	88	27.7	67	18.7

CIRRHOSIS OF LIVER

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	184	5.2	120	6.9	64	3.5	97	6.7	47	3.1	23	8.2	17	5.6
1960	190	5.3	125	7.2	65	3.5	114	7.8	57	3.7	11	3.9	8	2.6
1961	203	5.6	140	8.0	63	3.4	113	7.6	50	3.2	27	9.5	13	4.2
1962	206	5.6	130	7.3	76	4.1	110	7.4	51	3.3	20	7.0	25	8.0
1963	250	6.8	176	9.8	74	3.9	150	10.0	59	3.7	26	9.1	15	4.7
1964	254	6.8	161	8.9	93	4.9	135	8.9	75	4.7	26	9.0	18	5.6
1965	356	6.8	150	8.2	106	5.5	120	7.8	77	4.8	30	10.4	29	9.0
1966	248	6.5	147	8.0	101	5.2	126	8.1	85	5.2	21	7.2	16	4.9
1967	298	7.8	195	10.5	103	5.2	164	10.5	77	4.7	31	10.6	26	8.0
1968	297	7.7	194	10.4	103	5.2	168	10.7	78	4.7	26	8.9	25	7.6
1969	326	8.4	197	10.4	129	6.4	160	10.1	100	6.0	37	12.6	29	8.7
1970	393	10.0	267	14.0	126	6.2	225	14.0	95	5.6	42	14.2	31	9.3
1971	354	8.9	235	12.2	119	5.8	202	12.4	98	5.7	33	11.0	21	6.2
1972	353	8.8	243	12.5	110	5.3	204	12.4	82	4.7	39	12.9	28	8.2
1973	449	11.0	291	14.7	158	7.5	245	14.6	119	6.7	46	15.2	39	11.3
1974	444	10.8	284	14.3	160	7.5	241	14.3	128	7.1	43	14.1	32	9.3
1975	401	9.6	264	13.1	137	6.3	214	12.5	107	5.9	50	16.2	30	8.6
1976	387	9.2	258	12.7	129	5.9	235	13.6	110	6.0	23	7.4	19	5.4
1977	407	9.5	263	12.7	144	6.5	221	12.6	120	6.4	42	13.3	24	6.8
1978	398	9.1	278	13.2	120	5.3	240	13.5	95	5.0	38	11.9	25	7.0

NEPHRITIS AND NEPHROSIS

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	294	8.3	153	8.8	141	7.8	96	6.6	98	6.0	57	20.4	51	16.7
1960	316	8.8	187	10.7	129	7.0	124	8.5	79	5.2	63	22.4	50	16.2
1961	327	9.1	196	11.2	131	7.1	133	9.0	85	5.5	63	22.3	46	14.8
1962	302	8.3	173	9.7	129	6.9	122	8.2	75	4.8	51	17.9	54	17.2
1963	325	8.8	197	11.0	128	6.8	137	9.1	82	5.2	60	21.0	46	14.5
1964	305	8.2	154	8.5	151	7.9	103	6.8	106	6.7	51	17.7	45	14.1
1965	281	7.5	160	8.8	121	6.3	113	7.4	85	5.3	47	16.3	36	11.2
1966	247	6.5	153	8.3	94	4.8	106	6.8	61	3.7	47	16.2	33	10.2
1967	230	6.0	127	6.8	103	5.2	88	5.6	67	4.1	39	13.4	36	11.0
1968	220	5.7	123	6.6	97	4.9	90	5.7	56	3.4	33	11.3	41	12.4
1969	208	5.3	112	5.9	96	4.8	79	5.0	55	3.3	33	11.2	41	12.4
1970	192	4.9	101	5.3	91	4.5	67	4.2	54	3.2	34	11.5	37	11.1
1971	162	4.1	88	4.6	74	3.6	60	3.7	45	2.6	28	9.3	29	8.5
1972	193	4.8	110	5.6	83	4.0	67	4.1	49	2.8	43	14.3	34	10.0
1973	160	3.9	90	4.6	70	3.3	62	3.7	45	2.5	28	9.2	25	7.3
1974	185	4.5	106	5.3	79	3.7	70	4.1	41	2.3	36	11.8	38	11.0
1975	198	4.7	100	5.0	98	4.5	60	3.5	63	3.5	40	12.9	35	10.0
1976	201	4.8	93	4.6	108	4.9	65	3.8	61	3.3	28	9.0	47	13.4
1977	184	4.3	102	4.9	82	3.7	68	3.9	48	2.6	34	10.7	34	9.6
1978	230	5.3	119	5.7	111	4.9	71	4.0	64	3.4	48	15.1	47	13.2

§ Cause titles are shown according to the *Eighth Revision International Classification of Diseases, Adapted*, 1965. Where necessary, regrouping of causes for 1959-1967 has been done to make numbers for these years correspond as nearly as possible with those for 1968-1978. For more detailed information see page 9 of this Bulletin.

* Total includes one or more deaths with race and/or sex not stated.

TABLE III (Continued)—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1959-1978

CONGENITAL ANOMALIES

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	*422	11.9	223	12.9	198	10.9	190	13.1	160	10.6	33	11.8	38	12.4
1960	434	12.1	226	13.0	*208	11.4	184	12.6	180	11.8	42	14.9	28	9.1
1961	*420	11.6	220	12.5	199	10.7	181	12.3	163	10.6	39	13.8	36	11.6
1962	405	11.1	223	12.6	182	9.7	179	12.0	151	9.7	44	15.5	31	9.9
1963	*422	11.5	241	13.5	180	9.5	187	12.4	147	9.3	54	18.9	33	10.4
1964	*447	12.0	242	13.4	203	10.6	188	12.4	155	9.7	54	18.8	48	15.0
1965	387	10.3	225	12.3	162	8.4	172	11.2	125	7.8	53	18.3	37	11.5
1966	*391	10.3	211	11.5	179	9.2	161	10.4	139	8.5	50	17.2	40	12.3
1967	*372	9.7	193	10.4	178	9.0	154	9.9	139	8.5	39	13.4	39	11.9
1968	376	9.7	207	11.1	169	8.5	167	10.6	141	8.5	40	13.6	28	8.5
1969	*339	8.7	187	9.9	151	7.5	157	9.9	120	7.1	30	10.2	31	9.3
1970	381	9.7	190	10.0	191	9.4	155	9.7	152	9.0	35	11.8	39	11.7
1971	339	8.5	195	10.1	144	7.0	171	10.5	113	6.6	24	8.0	31	9.1
1972	*384	9.5	215	11.0	168	8.1	172	10.4	132	7.6	43	14.3	36	10.6
1973	*325	7.9	166	8.4	158	7.5	134	8.0	131	7.4	32	10.5	27	7.9
1974	304	7.4	165	8.3	139	6.5	133	7.9	109	6.1	32	10.5	30	8.7
1975	298	7.1	155	7.7	143	6.6	123	7.2	121	6.7	32	10.4	22	6.3
1976	228	5.4	127	6.3	101	4.6	102	5.9	80	4.4	25	8.1	21	6.0
1977	281	6.5	163	7.9	118	5.3	123	7.0	99	5.3	40	12.6	19	5.4
1978	*278	6.4	153	7.3	124	5.5	126	7.1	92	4.8	27	8.5	32	9.0

CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	1,354	38.2	752	43.4	602	33.2	551	37.9	423	28.0	201	72.0	179	58.0
1960	*1,293	36.2	778	44.6	513	28.0	569	38.9	334	21.9	209	74.2	179	58.0
1961	1,256	34.8	756	42.9	500	27.0	545	36.9	356	23.1	211	74.6	144	46.2
1962	*1,269	34.8	757	42.6	511	27.3	530	35.5	359	23.1	227	79.8	152	48.4
1963	*1,192	32.4	693	38.7	498	26.3	482	32.0	330	21.0	211	73.8	168	53.1
1964	1,209	32.5	736	40.7	473	24.7	527	34.7	313	19.7	209	72.7	160	50.1
1965	*1,094	29.1	652	35.8	440	22.8	451	29.4	293	18.2	201	69.6	147	45.7
1966	*965	25.5	601	32.7	363	18.6	402	26.0	255	15.7	199	68.5	108	33.3
1967	*913	23.9	514	27.7	398	20.2	343	21.9	271	16.5	171	58.6	127	38.9
1968	*859	22.2	504	26.9	354	17.8	362	23.0	245	14.7	142	48.4	109	33.1
1969	881	22.6	500	26.5	381	18.9	342	21.5	243	14.5	158	53.6	138	41.6
1970	889	22.6	511	26.9	377	18.6	387	24.1	239	14.1	124	41.8	138	41.2
1971	847	21.2	483	25.0	362	17.6	340	20.9	262	15.2	143	47.5	100	29.5
1972	754	18.7	438	22.5	316	15.2	287	17.4	212	12.2	151	50.1	104	30.6
1973	*726	17.7	428	21.6	297	14.0	291	17.4	208	11.7	137	45.2	89	25.9
1974	619	15.0	347	17.4	271	12.7	225	13.3	187	10.4	122	40.1	84	24.3
1975	526	12.6	290	14.4	236	10.9	184	10.8	153	8.4	106	34.3	83	23.7
1976	522	12.4	299	14.7	223	10.2	209	12.1	140	7.6	90	29.1	83	23.6
1977	481	11.2	287	13.8	194	8.7	194	11.0	124	6.6	93	29.4	70	19.7
1978	460	10.6	256	12.2	204	9.0	172	9.7	132	6.9	84	26.4	72	20.1

ACCIDENTS, ALL TYPES

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	1,938	54.6	1,378	79.6	560	30.9	1,137	78.3	442	29.3	241	86.3	118	38.6
1960	1,969	55.1	1,385	79.4	584	31.9	1,193	75.4	467	30.7	282	100.2	117	37.9
1961	1,825	50.5	1,244	70.7	581	31.4	1,024	69.3	461	29.9	220	77.7	120	38.5
1962	1,967	53.9	1,322	74.4	645	34.5	1,086	72.8	502	32.2	236	83.0	143	45.5
1963	2,100	57.0	1,477	82.4	623	32.9	1,213	80.6	511	32.4	264	92.3	112	35.4
1964	2,162	58.1	1,521	84.2	641	35.5	1,240	81.6	524	32.9	281	97.8	117	36.7
1965	2,247	59.9	1,572	86.2	675	35.0	1,308	85.3	576	35.8	264	91.4	99	30.8
1966	2,468	65.1	1,718	93.4	750	38.4	1,445	93.3	594	36.5	273	94.0	156	48.1
1967	2,466	64.5	1,813	97.8	653	33.1	1,499	95.9	554	33.7	314	107.6	99	30.3
1968	2,502	64.8	1,785	95.4	717	36.0	1,429	90.6	581	35.0	356	121.4	136	41.3
1969	2,531	64.9	1,779	94.3	752	37.4	1,448	91.0	607	36.2	331	112.3	145	43.7
1970	*2,582	65.7	1,878	98.8	704	34.7	1,557	97.0	558	32.9	320	107.9	146	43.6
1971	2,467	61.8	1,745	90.4	722	35.0	1,475	90.6	593	34.5	270	89.7	129	38.0
1972	2,602	64.5	1,869	95.9	733	35.2	1,546	93.8	607	34.9	323	107.2	126	37.0
1973	*2,698	65.9	*1,926	97.4	772	36.5	1,629	97.3	639	36.0	296	97.6	133	38.7
1974	2,510	60.8	1,769	88.8	741	34.7	1,519	90.0	612	34.2	250	82.2	129	37.4
1975	2,310	55.2	1,656	82.0	654	30.2	1,369	80.0	567	31.2	287	92.9	87	24.8
1976	2,262	53.7	1,632	80.3	630	28.9	1,406	81.7	550	30.0	226	73.0	80	22.8
1977	2,440	56.8	1,757	84.7	683	30.7	1,493	85.0	577	30.8	264	83.5	106	29.9
1978	2,460	56.5	1,794	85.4	666	29.5	1,526	85.6	566	29.8	268	84.2	100	28.0

MOTOR VEHICLE ACCIDENTS

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	834	23.5	648	37.4	186	10.3	561	38.6	164	10.9	87	31.2	22	7.2
1960	859	24.0	627	35.9	232	12.7	524	35.8	191	12.5	103	36.6	41	13.3
1961	795	22.0	573	32.6	222	12.0	495	33.5	197	12.8	78	27.6	25	8.0
1962	901	24.7	662	37.3	239	12.8	569	38.1	211	13.5	93	32.7	28	8.9
1963	977	26.5	721	40.2	256	13.5	619	41.1	225	14.3	102	35.7	31	9.8
1964	1,061	28.5	761	42.1	300	15.7	651	42.8	260	16.3	110	38.3	40	12.5
1965	1,143	30.4	845	46.3	298	15.4	737	48.0	270	16.8	108	37.4	28	8.7
1966	1,256	33.0	908	49.4	342	17.5	791	51.1	291	17.9	117	40.3	51	15.7
1967	1,286	33.6	954	51.4	332	16.8	818	52.3	289	17.6	136	46.6	43	13.2
1968	1,252	32.4	937	50.1	315	15.8	794	50.4	272	16.4	143	48.8	43	13.1
1969	1,358	34.8	991	52.5	367	18.2	816	51.3	303	18.0	175	59.4	64	19.3
1970	1,406	35.8	1,044	54.9	362	17.8	907	56.5	311	18.3	136	45.9	51	15.2
1971	1,337	33.5	986	51.1	351	17.0	873	53.6	304	17.7	113	37.6	47	13.8
1972	1,401	34.8	1,038	53.2	363	17.4	893	54.2	311	17.9	145	48.1	52	15.3
1973	1,442	35.2	1,071	54.2	371	17.5	930	55.6	316	17.8	141	46.5	55	16.0
1974	1,290	31.2	971	48.7	319	14.9	864	51.2	269	15.0	107	35.2	50	14.5
1975	1,142	27.3	843	41.7	299	13.8	707	41.3	264	14.5	136	44.0	35	10.0
1976	1,160	27.5	847	41.7	313	14.3	737	42.8	279	15.2	110	35.5	34	9.7
1977	1,245	29.0	944	45.5	301	13.5	814	46.3	268	14.3	130	41.1	33	9.3
1978	1,294	29.7	968	46.1	326	14.4	839	47.1	282	14.8	129	40.5	44	12.3

SUICIDE

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	326	9.2	263	15.2	63	3.5	240	16.5	59	3.9	23	8.2	4	1.3
1960	333	9.3	269	15.4	64	3.5	251	17.2	59	3.9	18	6.4	5	1.6
1961	346	9.6	275	15.6	71	3.8	268	18.1	68	4.4	7	2.5	3	1.0
1962	401	11.0	330	18.6	71	3.8	309	20.7	70	4.5	21	7.4	1	0.3
1963	359	9.7	289	16.1	70	3.7	269	17.9	68	4.3	20	7.0	2	0.6
1964	395	10.6	304	16.8	91	4.8	289	19.0	86	5.4	15	5.2	5	1.6
1965	379	10.1	281	15.4	98	5.1	264	17.2	92	5.7	17	5.9	6	1.9
1966	385	10.2	283	15.4	102	5.2	262	16.9	94	5.8	21	7.2	8	2.5
1967	404	10.0	307	16.6	97	4.9	295	18.9	90	5.5	12	4.1	7	2.1
1968	413	10.7	327	17.5	86	4.3	304	19.3	78	4.7	23	7.8	8	2.4
1969	461	11.8	361	19.1	100	5.0	338	21.2	92	5.5	23	7.8	8	2.4
1970	497	12.6	384	20.2	113	5.6	356	22.2	103	6.1	28	9.4	10	3.0
1971	490	12.3	377	19.5	113	5.5	358	22.0	103	6.0	19	6.3	10	2.9
1972	469	11.6	351	18.0	118	5.7	331	20.1	109	6.3	20	6.6	9	2.6
1973	490	12.0	373	18.9	117	5.5	349	20.9	111	6.3	24	7.9	6	1.7
1974	544	13.2	412	20.7	132	6.2	390	23.1	124	6.9	22	7.2	8	2.3
1975	567	13.5	417	20.6	150	6.9	384	22.4	141	7.8	33	10.7	9	2.6
1976	559	13.3	448	22.1	111	5.1	409	23.8	106	5.8	39	12.6	5	1.4
1977	588	13.7	444	21.4	144	6.5	411	23.4	132	7.1	33	10.4	12	3.4
1978	548	12.6	410	19.5	138	6.1	389	21.8	134	7.1	21	6.6	4	1.1

HOMICIDE

YEAR	TOTAL						WHITE				NONWHITE			
	TOTAL		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1959	271	6.6	183	10.6	51	2.8	88	6.1	22	1.5	95	34.0	29	9.5
1960	268	7.5	209	12.0	59	3.2	87	5.9	24	1.6	122	43.3	35	11.3
1961	263	7.3	216	12.3	47	2.5	94	6.4	24	1.6	122	43.1	23	7.4
1962	264	7.2	214	12.0	50	2.7	84	5.6	29	1.9	130	45.7	21	6.7
1963	266	7.2	218	12.2	48	2.5	105	7.0	26	1.7	113	39.5	22	7.0
1964	307	8.3	246	13.6	60	3.1	118	7.8	42	2.6	128	44.5	18	5.6
1965	316	8.4	242	13.3	74	3.8	130	8.5	32	2.0	112	38.8	42	13.1
1966	333	8.8	270	14.7	63	3.2	130	8.4	34	2.1	140	48.2	29	8.9
1967	379	9.9	299	16.1	80	4.1	146	9.3	40	2.4	153	52.4	40	12.2
1968	412	10.7	338	18.1	*74	3.7	174	11.0	31	1.9	164	55.9	42	12.8
1969	423	10.9	342	18.1	81	4.0	156	9.8	40	2.4	186	63.1	41	12.4
1970	441	11.2	331	17.4	110	5.4	178	11.1	62	3.7	153	51.6	48	14.3
1971	486	12.2	405	21.0	81	3.9	220	13.5	49	2.8	185	61.5	32	9.4
1972	549	13.6	441	22.6	108	5.2	219	13.3	59	3.4	222	73.7	49	14.4
1973	550	13.4	438	22.2	112	5.3	214	12.8	48	2.7	224	73.8	64	18.6
1974	569	13.8	464	23.3	105	4.9	232	13.7	58	3.2	232	76.3	41	13.6
1975	568	13.6	457	23.6	111	5.1	244	14.3	58	3.2	213	68.9	53	15.1
1976	492	11.7	395	19.4	97	4.4	209	12.1	56	3.1	186	60.1	41	11.7
1977	477	11.1	380	18.3	97	4.4	195	11.1	49	2.6	185	58.5	48	13.5
1978	456	10.5	374	17.8	82	3.6	193	10.8	48	2.5	181	56.9	34	9.5

§ Cause titles are shown according to the *Eighth Revision International Classification of Diseases, Adapted*, 1965. Where necessary, regrouping of causes for 1959-1967 has been done to make numbers for these years correspond as nearly as possible with those for 1968-1978. For more detailed information see page 9 of this Bulletin.

*Total includes one or more deaths with race and/or sex not stated.

TABLE IV—DEATHS ACCORDING TO CAUSE (8th Rev. ICDA), BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1978

CAUSE OF DEATH			AGE AT DEATH																	
			All Deaths	Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
ALL CAUSES	Total		38,654	981	57	36	35	25	114	139	460	604	485	446	1,280	2,927	6,205	9,396	9,712	5,749
	White	M	17,939	390	19	14	14	10	51	73	284	369	262	242	688	1,529	3,422	4,750	4,020	1,801
		F	14,024	273	23	10	14	6	37	34	95	113	94	95	322	777	1,635	2,932	4,283	3,280
	Nonwhite	M	3,652	164	10	6	1	3	20	21	49	90	88	81	167	363	667	946	702	273
		F	3,038	153	5	6	6	6	6	11	32	32	41	28	103	258	481	768	707	395
Typhoid fever (001)	Total																			
	White	M																		
		F																		
	Nonwhite	M																		
		F																		
Bacillary dysentery and amebiasis (004, 006)	Total		2	1						1										
	White	M																		
		F	1							1										
	Nonwhite	M																		
		F	1	1																
Enteritis and other diarrheal diseases (008, 009)	Total		47	28			1								1	1	5	4	5	2
	White	M	17	11													1	1	3	1
		F	10	3			1								1	1	1	1	2	
	Nonwhite	M	8	4													3	1		
		F	12	10														1		1
Tuberculosis of respiratory system (010-012)	Total		61													4	11	14	20	12
	White	M	24													1	5	6	8	4
		F	23													1	2	5	9	6
	Nonwhite	M	11													1	4	3	3	
		F	3													1				2
Tuberculosis, other forms (013-019)	Total		17							1		1				1	1	5	6	2
	White	M	6													1		3	2	
		F	8									1						1	4	2
	Nonwhite	M	3							1							1	1		
		F																		
Diphtheria (032)	Total																			
	White	M																		
		F																		
	Nonwhite	M																		
		F																		
Whooping cough (033)	Total																			
	White	M																		
		F																		
	Nonwhite	M																		
		F																		
Streptococcal sore throat and scarlet fever (034)	Total																			
	White	M																		
		F																		
	Nonwhite	M																		
		F																		
Meningococcal infection (036)	Total		12	4	3					2		1			1				1	
	White	M	5	3	1										1					
		F	6		2					2		1							1	
	Nonwhite	M																		
		F	1	1																
Septicemia (038)	Total		155	42	1		1		2	1	1		1		4	5	22	24	34	17
	White	M	44	21	1		1		1	1						1	4	2	7	5
		F	38	7											1		6	10	11	3
	Nonwhite	M	35	8					1				1		3	1	3	6	10	2
		F	38	6							1					3	9	6	6	7
Acute poliomyelitis (040-043)	Total																			
	White	M																		
		F																		
	Nonwhite	M																		
		F																		
Measles (055)	Total																			
	White	M																		
		F																		
	Nonwhite	M																		
		F																		
Viral encephalitis (062-065)	Total		3								1					1	1			
	White	M																		
		F	3								1					1	1			
	Nonwhite	M																		
		F																		
Rocky Mountain spotted fever (082.0)	Total		2													1	1			
	White	M	1														1			
		F	1													1				
	Nonwhite	M																		
		F																		
Syphilis and its sequelae (090-097)	Total																			
	White	M																		
		F																		
	Nonwhite	M																		
		F																		
Other infective and parasitic diseases (000, 002, 003, 005, 007, 020-031, 035, 037, 039, 044-046, 050-054, 056, 057, 060, 061, 066-068, 070-081, 082.0-082.9, 083-089, 098-104, 110-117, 120-136)	Total		76	10					2	1	2	3	3	4	5	2	15	17	9	3
	White	M	29	4					2		1	1	2				7	8	4	
		F	22	2						1		1	1	3	3		4	3	2	2
	Nonwhite	M	10	2										1	1	2	3	1		
		F	15	2							1	1			1		1	5	3	1
Malignant neoplasms (140-209)	Total		7,521	3	2	4	3	3	23	20	23	34	44	53	262	864	1,838	2,300	1,540	505
	White	M	3,529	2		3	1	2	11	14	11	19	15	22	106	382	938	1,144	671	188
		F	2,729		1		2		7	3	10	7	15	22	112	316	606	754	617	257
	Nonwhite	M	764		1	1			3	1	2	6	8	3	27	97	183	241	154	37
		F	499	1				1	2	2		2	6	6	17	69	111	161	98	23
Benign and unspecified neoplasms (210-239)	Total		63	1						2	1			2	2	6	13	15	16	5
	White	M	21							1				1	1	2	4	7	5	
		F	25								1					2	5	4	9	4
	Nonwhite	M	6											1	1	1	3			
		F	11	1						1						1	1	4	2	1

* Includes one or more deaths with race, sex, and/or age not stated.

TABLE IV (Continued)—DEATHS ACCORDING TO CAUSE (8th Rev. ICDA), BY RACE, SEX, AND AGE, RESIDENT DATA. TENNESSEE, 1978

CAUSE OF DEATH			AGE AT DEATH																	
			All Deaths	Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Diabetes mellitus (250)	Total		525									2	6	7	18	51	97	154	130	60
	White	M	168									1	2	3	7	20	35	45	43	12
		F	217										2	2	4	12	37	63	60	37
	Nonwhite	M	49									1		2	1	9	7	17	11	1
		F	91										2		6	10	18	29	16	10
Avitaminoses and other nutritional deficiencies (260-269)	Total		68	1							1					2	9	15	23	17
	White	M	15														1	3	8	3
		F	38								1					2	3	8	13	11
	Nonwhite	M	7														3	2	1	1
		F	8	1													2	2	1	2
Anemias (280-285)	Total		65	1			1				4	1		2	2	3	6	16	20	9
	White	M	16								1						1	8	5	1
		F	32											1		2	4	7	12	6
	Nonwhite	M	10	1							2				1	2		1	1	2
		F	7				1				1	1					1	1	2	
Meningitis (320)	Total		25	9	2					1							1	5	3	4
	White	M	5	3	1														1	
		F	6	2	1													1	2	
	Nonwhite	M	5	2						1								1	1	
		F	9	2													1	3	2	1
Active rheumatic fever and chronic rheumatic heart disease (390-398)	Total		176								1	1	2	1	6	20	41	47	42	15
	White	M	80									1	1		2	8	25	23	16	4
		F	74										1	1	3	8	11	17	24	9
	Nonwhite	M	8								1					3	2	1		1
		F	14												1	1	3	6	2	1
Hypertensive heart disease (402)	Total		87										1			3	14	27	25	17
	White	M	25														4	9	7	5
		F	38										1			1	6	8	12	10
	Nonwhite	M	11													1	4	5	1	
		F	13													1		5	5	2
Hypertensive heart and renal disease (404)	Total		48														10	9	21	8
	White	M	18														3	5	4	6
		F	24														3	3	16	2
	Nonwhite	M	4														3	1		
		F	2														1		1	
Ischemic heart disease (410-414)	Total		12,621	1					1			2	9	27	230	809	2,048	3,457	3,788	2,248
	White	M	6,057						1			1	4	18	157	522	1,278	1,822	1,580	674
		F	4,640										1	5	33	114	416	1,086	1,680	1,305
	Nonwhite	M	981	1									3	2	25	102	207	282	258	100
		F	943									1	1	2	15	71	147	267	270	169
Other forms of heart disease (420-429)	Total		1,053	23	2		1		5	3	7	4	5	14	37	76	170	217	280	209
	White	M	442	9						1	4	1	2	4	15	45	95	108	107	51
		F	409	7	1		1		3	1	1	1	2	5	7	14	43	68	128	127
	Nonwhite	M	103	2					2		2	1	1	2	9	8	14	26	23	13
		F	99	5	1					1		1		3	6	9	18	15	22	18
Hypertension (400, 401, 403)	Total		106											1	2	3	17	22	38	23
	White	M	34												1	1	4	4	15	9
		F	40													1	6	6	16	11
	Nonwhite	M	19											1			2	9	5	2
		F	13												1	1	5	3	2	1
Cerebrovascular disease (430-438)	Total		4,283	5						2	3	3	10	10	67	147	398	999	1,523	1,116
	White	M	1,477	1							3	1	5	5	20	48	163	390	525	316
		F	2,003										2	2	21	46	121	346	778	687
	Nonwhite	M	381	2						2		1		1	10	21	57	144	93	50
		F	422	2								1	3	2	16	32	57	119	127	63
Arteriosclerosis (440)	Total		615											1		1	18	86	209	300
	White	M	190											1		1	11	36	62	79
		F	330														3	31	107	189
	Nonwhite	M	32														3	8	12	9
		F	63														1	11	28	23
Other diseases of arteries, arterioles and capillaries (441-448)	Total		492	2							2	3	2		7	26	60	125	175	90
	White	M	244	1									1		4	12	36	82	81	27
		F	176									2				8	14	29	71	52
	Nonwhite	M	36								1				1	3	8	9	9	5
		F	36	1							1	1	1		2	3	2	5	14	6
Acute bronchitis and bronchiolitis (466)	Total		15								1					3	1	4	4	2
	White	M	6													1	1	1	3	
		F	5													1		2	1	1
	Nonwhite	M	2													1				1
		F	2								1							1		
Influenza (470-474)	Total		66									1			2	2	5	7	22	27
	White	M	22												1	1	2	2	11	5
		F	38									1			1	1	2	3	10	20
	Nonwhite	M	2															1	1	
		F	4														1	1		2
Pneumonia (480-486)	Total		1,093	35	3	2	2		2	3	6	13	6	2	14	52	102	185	344	322
	White	M	480	17						2	1	5	2		7	26	48	95	139	138
		F	458	10	2	1	2		1	1	2	3	3	1	3	15	29	51	170	164
	Nonwhite	M	88	3	1				1			2		1	3	8	16	19	24	10
		F	67	5		1					3	3	1		1	3	9	20	11	10
Chronic and unqualified bronchitis (490, 491)	Total		93	1		1								1	1	9	15	24	26	15
	White	M	54											1		3	9	16	16	9
		F	32			1									1	6	5	6	7	6
	Nonwhite	M	2															1	1	
		F	5	1													1	1	2	
Emphysema (492)	Total		346												5	25	78	123	93	22
	White	M	257												4	16	54	96	71	16
		F	67													1	7	17	18	6
	Nonwhite	M	18												1		6	8	4	
		F	4														2	1	1	
Asthma (493)	Total		29							1		2	1	1	1	2	6	6	9	
	White	M	11							1			1				1	4	4	
		F	10									1		1		2	2	1	3	
	Nonwhite	M	4														1	1	2	
		F	4									1			1		2			
Peptic ulcer (531-533)	Total		101							1		1			2	10	23	25	28	11
	White	M	61												2	7	19	15	16	2
		F	33													3	3	7	12	8
	Nonwhite	M	3									1						2		
		F	4							1							1	1		1

° Includes one or more deaths with race, sex, and/or age not stated.

TABLE IV (Continued)—DEATHS ACCORDING TO CAUSE (8th Rev. ICDA), BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1978

CAUSE OF DEATH			AGE AT DEATH																	
			All Deaths	Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Appendicitis (540-543)	Total		18						1	1	1	1					2	8	3	1
	White	M	8															5	3	
		F	5							1		1						2		1
	Nonwhite	M	3						1								1	1		
		F	2								1						1			
Hernia and intestinal obstruction (550-553, 560)	Total		104	4								1	1	1	5	4	13	23	35	17
	White	M	32									1			1	1	3	7	17	2
		F	49	2									1	1	3	2	2	11	14	13
	Nonwhite	M	7	1													2	2	1	1
		F	16	1											1	1	6	3	3	1
Cirrhosis of liver (571)	Total		398									1	7	7	50	90	124	84	31	4
	White	M	240										3	4	35	47	82	52	15	2
		F	95										1	1	6	24	23	23	16	1
	Nonwhite	M	38										2	2	3	13	12	6		
		F	25									1	1		6	6	7	3		1
Cholelithiasis, cholecystitis and cholangitis (574-575)	Total		84													7	10	17	27	23
	White	M	41													2	6	11	12	10
		F	35													3	3	2	14	13
	Nonwhite	M	2													1		1		
		F	6													1	1	3	1	
Acute nephritis and nephrotic syndrome (580, 581)	Total		45		1									1	2	3	6	12	15	5
	White	M	16													1	3	4	5	3
		F	15												2	2	2	2	5	2
	Nonwhite	M	9		1									1			1	4	2	
		F	5															2	3	
Chronic and unqualified nephritis and renal sclerosis (582-584)	Total		185				1		1		1		2	2	6	18	31	51	47	25
	White	M	55										1	2	2	4	10	10	18	8
		F	49				1		1		1		1		1	3	4	15	12	10
	Nonwhite	M	39												2	5	8	14	6	4
		F	42												1	6	9	12	11	3
Infections of kidney (590)	Total		101										1		2		7	22	41	28
	White	M	43												1		4	9	17	12
		F	37												1		2	6	16	12
	Nonwhite	M	7										1					1	2	3
		F	14														1	6	6	1
Hyperplasia of prostate (600)	Total		22														1	5	6	10
	White	M	14														1	2	4	7
	Nonwhite	M	8															3	2	3
Complications of pregnancy, childbirth and the puerperium (630-678)	Total		10								3	1	3		3					
	White	F	4									1	1		2					
	Nonwhite	F	6								3		2		1					
Congenital anomalies (740-759)	Total		278	179	9	7	5		7	3	14	7	1	5	4	9	10	14	4	
	White	M	126	74	4	1	3		2		11	5		1	3	4	6	11	1	
		F	92	60	3	2	2		3	2	2	2		2	1	5	3	3	2	
	Nonwhite	M	27	22					1	1	1			1			1			
		F	32	22	2	4			1				1	1					1	
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	Total		228	228																
	White	M	95	95																
		F	66	66																
	Nonwhite	M	42	42																
		F	25	25																
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	Total		232	232																
	White	M	77	77																
		F	66	66																
	Nonwhite	M	42	42																
		F	47	47																
Symptoms and ill-defined conditions (780-796)	Total		901	102	3	1	1				3	4	2	8	28	52	143	226	196	132
	White	M	440	40	1		1				2	1	1	3	15	31	93	118	90	44
		F	291	31	1						1	2	1	1	5	16	32	64	74	63
	Nonwhite	M	92	19	1	1								3	6	4	9	25	16	8
		F	78	12								1		1	2	1	9	19	16	17
All other diseases	Total		2,636	24	8	2	1	1	15	16	31	29	32	30	110	234	445	695	641	322
	White	M	1,260	10	3		1		10	5	11	11	13	12	41	109	222	395	311	106
		F	910	6	3			1	5	5	9	12	8	8	35	70	130	195	245	178
	Nonwhite	M	256	6	2	2				4	4	4	7	6	16	27	56	65	44	13
		F	210	2						2	7	2	4	4	18	28	37	40	41	25
Motor vehicle accidents (810-823)	Total		1,294	6	6	5	5	9	34	32	214	247	138	81	136	123	111	88	49	9
	White	M	839	4	3	1	1	3	15	20	151	176	93	60	93	78	63	46	25	6
		F	282	2	2	3		3	7	8	45	43	23	7	28	28	33	29	18	3
	Nonwhite	M	129			1		1	9	2	13	21	16	13	13	14	11	11	4	
		F	44		1		4	2	3	2	5	7	6	1	2	3	4	2	2	
Other accidents (800-807, 825-949)	Total		1,166	37	14	14	12	11	20	40	77	101	64	72	89	107	128	131	143	106
	White	M	687	16	4	9	6	5	8	24	54	74	44	51	66	68	82	77	59	40
		F	284	9	7	3	5	1	10	5	9	15	6	10	11	23	21	29	64	56
	Nonwhite	M	139	7	3	1	1	2	2	9	10	11	13	7	11	14	17	15	10	6
		F	56	5		1		3		2	4	1	1	4	1	2	8	10	10	4
Suicide (950-959)	Total		548							4	31	50	49	42	85	83	100	64	33	7
	White	M	389							2	20	39	31	28	57	54	69	55	28	6
		F	134							2	10	10	11	11	23	26	27	8	5	1
	Nonwhite	M	21								1		6	3	4	3	3	1		
		F	4									1	1		1		1			
Homicide (960-978)	Total		456	1	3		1		1	2	26	75	81	64	77	57	37	24	5	2
	White	M	193	1	1				1	1	10	21	34	22	38	28	23	15	2	
		F	48							1	1	6	7	10	9	5	1	4	2	2
	Nonwhite	M	181		1						11	42	30	28	27	23	11	7	1	
		F	34		1		1				4	6	10	4	3	1	2	2		
Other external causes (980-999)	Total		*82	1				1		2	6	15	14	7	14	10	7	2	1	1
	White	M	46	1						1	4	11	7	4	8	4	5	1		
		F	*26					1		1	1	3	6	1	4	5	1	1	1	
	Nonwhite	M	8								1			2	2	1	1			1
		F	2									1	1							

* Includes one or more deaths with race, sex, and/or age not stated.

TABLE V—DEATHS ACCORDING TO 210 SELECTED CAUSES (8th Rev. ICDA), WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1978

CAUSE OF DEATH	TOTAL		WHITE		NONWHITE	
	No.	*Rate*	No.	*Rate*	No.	*Rate*
ALL CAUSES*	38,654	*8.9*	31,964	*8.7*	6,690	*9.9*
Typhoid fever (001)						
Paratyphoid fever (002)						
Other salmonella infections (003)	1	*0.0*	1	*0.0*		
Bacillary dysentery (004)	2	*0.0*	1	*0.0*	1	*0.1*
Botulism (005.1)						
Other bacterial food poisoning (005[.0, .2-.9])						
Amebiasis (006)						
Enteritis and other diarrheal diseases (008, 009)	47	*1.1*	27	*0.7*	20	*3.0*
Tuberculosis of respiratory system (010-012)	61	*1.4*	47	*1.3*	14	*2.1*
Tuberculosis of meninges and central nervous system (013)						
Tuberculosis of intestines, peritoneum and mesenteric glands (014)						
Tuberculosis of bones and joints (015)						
Disseminated tuberculosis (018)	6	*0.1*	4	*0.1*	2	*0.3*
Other tuberculosis, including late effects (016, 017, 019)	11	*0.3*	10	*0.3*	1	*0.1*
Tularemia (021)						
Anthrax (022)						
Brucellosis (023)						
Diphtheria (032)						
Whooping cough (033)						
Streptococcal sore throat and scarlet fever (034)						
Erysipelas (035)						
Meningococcal infection (036)	12	*0.3*	11	*0.3*	1	*0.1*
Tetanus (037)						
Septicemia (038)	155	*3.6*	82	*2.2*	73	*10.8*
Other bacterial diseases (000, 007, 020, 024-027, 030, 031, 039)	13	*0.3*	4	*0.1*	9	*1.3*
Acute poliomyelitis (040-043)						
Late effects of acute poliomyelitis (044)	1	*0.0*	1	*0.0*		
Smallpox (050)						
Chickenpox (052)	1	*0.0*	1	*0.0*		
Measles (055)						
Rubella (056)	1	*0.0*	1	*0.0*		
Viral encephalitis (062-065)	3	*0.1*	3	*0.1*		
Late effects of viral encephalitis (066)						
Infectious hepatitis (070)	10	*0.2*	6	*0.2*	4	*0.6*
Rabies (071)						
Mumps (072)						
Infectious mononucleosis (075)	1	*0.0*	1	*0.0*		
Trachoma (076, 077)						
Other viral diseases (045, 046, 051, 053, 054, 057, 060, 061, 067, 068, 073, 074, 078, 079)	18	*0.4*	16	*0.4*	2	*0.3*
Rocky Mountain spotted fever (082.0)	2	*0.0*	2	*0.1*		
Other rickettsioses (080, 081, 082.1-082.9, 083)						
Malaria (084)						
Congenital syphilis (090)						
Early syphilis, symptomatic (091)						
Cardiovascular syphilis (093)						
Syphilis of central nervous system (094)						
Other syphilis (095, 097)						
Gonococcal infections (098)						
Leptospirosis icterohemorrhagica (100.0)						
Vincent's angina (101)						
Moniliasis (112)	5	*0.1*	3	*0.1*	2	*0.3*
Histoplasmosis (115)	2	*0.0*	2	*0.1*		
Blastomycosis (116)	8	*0.2*	7	*0.2*	1	*0.1*
Other mycoses (110, 111, 113, 114, 117)	4	*0.1*	3	*0.1*	1	*0.1*
Hydatidosis (122)						
Ancylostomiasis (126)						
Other helminthiases (120, 121, 123-125, 127-129)						
Other infective and parasitic diseases (085-089, 099, 100.8, 100.9, 102-104, 130-136)	11	*0.3*	5	*0.1*	6	*0.9*

CAUSE OF DEATH	TOTAL		WHITE		NONWHITE	
	No.	*Rate*	No.	*Rate*	No.	*Rate*
Malignant neoplasm of buccal cavity and pharynx (140-149)	146	*3.4*	122	*3.3*	24	*3.6*
Malignant neoplasm of esophagus (150)	131	*3.0*	78	*2.1*	53	*7.8*
Malignant neoplasm of stomach (151)	225	*5.2*	172	*4.7*	53	*7.8*
Malignant neoplasm of intestine, except rectum (152, 153)	729	*16.7*	606	*16.5*	123	*18.2*
Malignant neoplasm of rectum and rectosigmoid junction (154)	117	*2.7*	98	*2.7*	19	*2.8*
Malignant neoplasm of gallbladder and bile ducts (156)	63	*1.4*	55	*1.5*	8	*1.2*
Malignant neoplasm of pancreas (157)	420	*9.6*	349	*9.5*	71	*10.5*
Malignant neoplasm of other digestive organs and peritoneum (155, 158, 159)	78	*1.8*	60	*1.6*	18	*2.7*
Malignant neoplasm of larynx (161)	58	*1.3*	46	*1.2*	12	*1.8*
Malignant neoplasm of trachea, bronchus and lung (162)	1,994	*45.8*	1,731	*47.0*	263	*38.9*
Malignant neoplasm of other respiratory organs (160, 163)	25	*0.6*	21	*0.6*	4	*0.6*
Malignant neoplasm of bone and of connective and other soft tissue (170, 171)	67	*1.5*	59	*1.6*	8	*1.2*
Malignant neoplasm of skin (172, 173)	161	*3.7*	154	*4.2*	7	*1.0*
Malignant neoplasm of breast (174)	602	*13.8*	504	*13.7*	98	*14.5*
Malignant neoplasm of cervix uteri (180)	130	*3.0*	93	*2.5*	37	*5.5*
Malignant neoplasm of other parts of uterus (181, 182)	92	*2.1*	75	*2.0*	17	*2.5*
Malignant neoplasm of other female genital organs (183, 184)	215	*4.9*	193	*5.2*	22	*3.3*
Malignant neoplasm of prostate (185)	422	*9.7*	303	*8.2*	119	*17.6*
Malignant neoplasm of other male genital organs (186, 187)	13	*0.3*	12	*0.3*	1	*0.1*
Malignant neoplasm of urinary organs (188, 189)	317	*7.3*	265	*7.2*	52	*7.7*
Malignant neoplasm of other and unspecified sites (190-199)	803	*18.4*	652	*17.7*	151	*22.4*
Leukemia (204-207)	295	*6.8*	260	*7.1*	35	*5.2*
Other neoplasms of lymphatic and hematopoietic system, including lymphosarcoma (200-203, 208, 209)	418	*9.6*	350	*9.5*	68	*10.1*
Benign neoplasms (210-228)	31	*0.7*	24	*0.7*	7	*1.0*
Neoplasms of unspecified nature (230-239)	32	*0.7*	22	*0.6*	10	*1.5*
Nontoxic goiter (240, 241)	4	*0.1*	3	*0.1*	1	*0.1*
Thyrotoxicosis with or without goiter (242)	4	*0.1*	2	*0.1*	2	*0.3*
Other diseases of thyroid gland (243-246)	3	*0.1*	2	*0.1*	1	*0.1*
Diabetes mellitus (250)	525	*12.0*	385	*10.5*	140	*20.7*
Diseases of other endocrine glands (251-258)	25	*0.6*	17	*0.5*	8	*1.2*
Niacin deficiency (262)						
Other avitaminoses and nutritional deficiencies (260, 261, 263-269)	68	*1.6*	53	*1.4*	15	*2.2*
Other metabolic diseases (270-279)	53	*1.2*	45	*1.2*	8	*1.2*
Anemias (280-285)	65	*1.5*	48	*1.3*	17	*2.5*
Other diseases of blood and blood-forming organs (286-289)	44	*1.0*	39	*1.1*	5	*0.7*
Psychoses (290-299)	37	*0.8*	31	*0.8*	6	*0.9*
Alcoholism (303)	126	*2.9*	84	*2.3*	42	*6.2*
Drug dependence (304)	4	*0.1*	4	*0.1*		
Neuroses, personality disorders, and other nonpsychotic mental disorders (300-302, 305-309)	60	*1.4*	56	*1.5*	4	*0.6*
Mental retardation (310-315)	4	*0.1*	3	*0.1*	1	*0.1*
Meningitis (320)	25	*0.6*	11	*0.3*	14	*2.1*
Multiple sclerosis (340)	12	*0.3*	9	*0.2*	3	*0.4*
Epilepsy (345)	43	*1.0*	30	*0.8*	13	*1.9*
Other diseases of central nervous system (321-333, 341-344, 346-349)	212	*4.9*	179	*4.9*	33	*4.9*
Diseases of nerves and peripheral ganglia (350-358)	8	*0.2*	4	*0.1*	4	*0.6*
Inflammatory diseases of eye (360-369)						
Cataract (374)						
Glaucoma (375)						
Other diseases and conditions of eye (370-373, 376-379)	1	*0.0*	1	*0.0*		
Otitis media and mastoiditis (381-383)	3	*0.1*	3	*0.1*		
Other diseases of ear and mastoid process (380, 384-389)						

*Rate per 1,000 population.

TABLE V (Continued)—DEATHS ACCORDING TO 210 SELECTED CAUSES (8th Rev. ICDA), WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1978

CAUSE OF DEATH	TOTAL		WHITE		NONWHITE	
	No.	Rate	No.	Rate	No.	Rate
Active rheumatic fever (390-392)						
Chronic rheumatic heart disease (393-398)	176	4.0	154	4.2	22	3.3
Hypertensive heart disease (402)	87	2.0	63	1.7	24	3.6
Hypertensive heart and renal disease (404)	48	1.1	42	1.1	6	0.9
Ischemic heart disease (410-414)	12,621	289.7	10,697	290.6	1,924	284.8
Other forms of heart disease (420-429)	1,053	24.2	851	23.1	202	29.9
Hypertension (400, 401, 403)	106	2.4	74	2.0	32	4.7
Cerebrovascular disease (430-438)	4,283	98.3	3,480	94.5	803	118.9
Arteriosclerosis (440)	615	14.1	520	14.1	95	14.1
Other diseases of arteries, arterioles and capillaries (441-448)	492	11.3	420	11.4	72	10.7
Other diseases of circulatory system (450-458)	288	6.6	227	6.2	61	9.0
Acute bronchitis and bronchiolitis (466)	15	0.3	11	0.3	4	0.6
Influenza (470-474)	66	1.5	60	1.6	6	0.9
Viral pneumonia (480)	18	0.4	12	0.3	6	0.9
Bacterial pneumonia (481, 482)	105	2.4	84	2.3	21	3.1
Acute interstitial pneumonia (484)	9	0.2	8	0.2	1	0.1
Bronchopneumonia, organism unspecified (485)	283	6.5	256	7.0	27	4.0
Pneumonia due to other and unspecified organisms (483, 486)	678	15.6	578	15.7	100	14.8
Bronchitis, chronic and unqualified (490, 491)	93	2.1	86	2.3	7	1.0
Emphysema (492)	346	7.9	324	8.8	22	3.3
Asthma (493)	29	0.7	21	0.6	8	1.2
Hypertrophy of tonsils and adenoids (500)	1	0.0			1	0.1
Empyema and abscess of lung (510, 513)	15	0.3	10	0.3	5	0.7
Pleurisy (511)	3	0.1	3	0.1		
Pneumoconiosis due to silica and silicates (515)	18	0.4	17	0.5	1	0.1
Bronchiectasis (518)	16	0.4	14	0.4	2	0.3
Other diseases of respiratory system (460-465, 501-508, 512, 514, 516, 517, 519)	825	18.9	735	20.0	90	13.3
Diseases of teeth and supporting structures (520-525)	1	0.0	1	0.0		
Other diseases of oral cavity, salivary glands, and jaws (526-529)	3	0.1	3	0.1		
Ulcer of stomach (531)	41	0.9	36	1.0	5	0.7
Ulcer of duodenum (532)	38	0.9	37	1.0	1	0.1
Peptic ulcer, site unspecified (533)	22	0.5	21	0.6	1	0.1
Gastritis and duodenitis (535)	11	0.3	10	0.3	1	0.1
Other diseases of esophagus, stomach and duodenum (530, 534, 536, 537)	39	0.9	36	1.0	3	0.4
Appendicitis (540-543)	18	0.4	13	0.4	5	0.7
Hernia and intestinal obstruction (550-553, 560)	104	2.4	81	2.2	23	3.4
Gastroenteritis and colitis, except ulcerative, of noninfectious origin (561)						
Chronic enteritis and ulcerative colitis (563)	17	0.4	15	0.4	2	0.3
Other diseases of intestines and peritoneum (562, 564-569)	196	4.5	161	4.4	35	5.2
Cirrhosis of liver (571)	398	9.1	335	9.1	63	9.3
Cholelithiasis, cholecystitis and cholangitis (574, 575)	84	1.9	76	2.1	8	1.2
Other diseases of liver, gallbladder and pancreas (570, 572, 573, 576, 577)	142	3.3	119	3.2	23	3.4
Acute nephritis (580)	41	0.9	27	0.7	14	2.1
Nephrotic syndrome (581)	4	0.1	4	0.1		
Chronic and unqualified nephritis and renal sclerosis (582-584)	185	4.2	104	2.8	81	12.0
Infections of kidney (590)	101	2.3	80	2.2	21	3.1
Calculi of urinary system (592, 594)	12	0.3	9	0.2	3	0.4
Other diseases of urinary system (591, 593, 595-599)	221	5.1	156	4.2	65	9.6
Hyperplasia of prostate (600)	22	0.5	14	0.4	8	1.2
Other diseases of male genital organs (601-607)	10	0.2	6	0.2	4	0.6
Diseases of breast (610, 611)						
Diseases of female genital organs (612-629)	14	0.3	9	0.2	5	0.7
Ectopic pregnancy (631)						
Urinary infections of pregnancy and the puerperium (635)						
Toxemias of pregnancy and the puerperium (636-639)						
Hemorrhage of pregnancy and childbirth (632, 651-657)	1	0.0			1	0.1
Abortion (640-645)	1	0.0			1	0.1
Sepsis of childbirth and the puerperium (670, 671, 673)						
Other complications of pregnancy, childbirth, and the puerperium (630, 633, 634, 650, 654-662, 672, 674-678)	8	0.2	4	0.1	4	0.6
Infections of skin and subcutaneous tissue (680-686)	5	0.1	5	0.1		
Other diseases of skin and subcutaneous tissue (690-709)	22	0.5	12	0.3	10	1.5
Arthritis and spondylitis (710-715)	49	1.1	47	1.3	2	0.3
Nonarticular rheumatism and rheumatism unspecified (716-718)	11	0.3	8	0.2	3	0.4
Osteomyelitis and periostitis (720)	3	0.1	1	0.0	2	0.3
Ankylosis and acquired musculoskeletal deformities (727, 735-738)	3	0.1	3	0.1		
Other diseases of musculoskeletal system and connective tissue (721-726, 728-734)	68	1.6	51	1.4	17	2.5
Spina bifida (741)	8	0.2	8	0.2		
Congenital hydrocephalus and other congenital anomalies of nervous system (740, 742, 743)	43	1.0	35	1.0	8	1.2
Congenital anomalies of heart (746)	86	2.0	72	2.0	14	2.1
Other congenital anomalies of circulatory system (747)	31	0.7	23	0.6	8	1.2
Other congenital anomalies (744, 745, 748-759)	110	2.5	81	2.2	29	4.3
Certain Causes of Mortality in Early Infancy: Maternal conditions unrelated to pregnancy (760, 761)	4	0.1	2	0.1	2	0.3
Toxemia of pregnancy, maternal antepartum and intrapartum infection (762, 763)	6	0.1	4	0.1	2	0.3
Difficult labor with mention of birth injury ([764-768] [.0-.3])	1	0.0	1	0.0		
Difficult labor without mention of birth injury ([764-768] [.4, .9])	4	0.1	3	0.1	1	0.1
Birth injury without mention of cause (772)	13	0.3	11	0.3	2	0.3
Hemolytic disease of newborn (774, 775)	6	0.1	6	0.2		
Asphyxia of newborn, unspecified (776.9)	100	2.3	70	1.9	30	4.4
Other anoxic and hypoxic conditions (776 [.0-.4])	110	2.5	76	2.1	34	5.0
Immaturity, unqualified (777)	101	2.3	64	1.7	37	5.5
Other causes of mortality in early infancy (769-771, 778)	115	2.6	67	1.8	48	7.1
Senility without mention of psychosis (794)	21	0.5	18	0.5	3	0.4
Symptoms and other ill-defined conditions (780-792, 795, 796)	880	20.2	713	19.4	167	24.7
Railway accidents (800-807)	25	0.6	19	0.5	6	0.9
Motor vehicle accidents (810-823)	1,294	29.7	1,121	30.5	173	25.6
Other road vehicle accidents (825-827)	3	0.1	3	0.1		
Water transport accidents (830-838)	42	1.0	36	1.0	6	0.9
Air and space transport accidents (840-845)	24	0.6	24	0.7		
Accidental poisoning (850-877)	97	2.2	80	2.2	17	2.5
Accidental falls (880-887)	274	6.3	244	6.6	30	4.4
Accident caused by fires and flames (890-899)	173	4.0	129	3.5	44	6.5
Accidental drowning and submersion (910)	127	2.9	99	2.7	28	4.1
Accident caused by firearm missile (922)	69	1.6	65	1.8	4	0.6
Accident caused by explosive material (923)	8	0.2	6	0.2	2	0.3
Accident caused by hot substance, corrosive liquid, steam or radiation (924, 926)	4	0.1	3	0.1	1	0.1
Other accidental causes (900-909, 911-921, 925, 927-949)	320	7.3	263	7.1	57	8.4
Suicide and self-inflicted injury (950-959)	548	12.6	523	14.2	25	3.7
Homicide and injury purposely inflicted by other persons (960-969)	454	10.4	240	6.5	214	31.7
Homicide by legal intervention (970-978)	2	0.0	1	0.0	1	0.1
Injury undetermined whether accidentally or purposely inflicted (980-989)	81	1.9	71	1.9	10	1.5
Injury resulting from operations of war (990-999)	1	0.0	1	0.0		

TABLE VI—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

Estimated Population, July 1, 1978	STATE						ANDERSON						BEDFORD						BENTON					
	TOTAL 4,357,000		WHITE 3,681,400		NONWHITE 675,600		TOTAL 65,900		WHITE 63,383		NONWHITE 2,517		TOTAL 26,800		WHITE 23,929		NONWHITE 2,871		TOTAL 13,400		WHITE 12,981		NONWHITE 419	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	66,466	15.3	51,183	13.9	15,275	22.6	826	12.5	762	12.0	64	25.4	383	14.3	331	13.8	52	18.1	173	12.9	163	12.6	10	23.9
In hospitals	65,636	....	50,633	....	14,997	....	816	....	752	....	64	....	379	....	328	....	51	....	170	....	160	....	10	....
Attended by physicians not in hospitals	410	....	193	....	217	....	....	....	....	....	....	....	2	....	1	....	1	....	....	....	....	....	....	....
Attended by midwives not in hospitals	289	....	239	....	49	....	5	....	5	....	....	....	1	....	1	....	....	....	3	....	3	....	....	....
Attended by others or unspecified not in hospital	131	....	118	....	12	....	5	....	5	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....
ILLEGITIMATE BIRTHS	12,069	18.2	3,811	7.4	8,257	54.1	102	12.3	71	9.3	31	48.4	58	15.1	32	9.7	26	50.0	16	9.2	12	7.4	4	40.0
LOW-WEIGHT BIRTHS (2500 grams or less)	5,410	8.1	3,409	6.7	2,001	13.1	50	6.1	45	5.9	5	7.8	36	9.4	26	7.9	10	19.2	9	5.2	8	4.9	1	10.0
FETAL DEATHS	695	10.5	463	9.0	232	15.2	5	6.1	4	5.2	1	15.6	5	13.1	3	9.1	2	38.5	....	....	....	....	....	....
INFANT DEATHS (Under one year of age)	981	14.8	664	13.0	317	20.8	15	18.2	15	19.7	....	....	11	28.7	8	24.2	3	57.7	4	23.1	3	18.4	1	100.0
Neonatal Deaths (Under 28 days of age)	691	10.4	461	9.0	230	15.1	8	9.7	8	10.5	....	....	6	15.7	5	15.1	1	19.2	2	11.6	2	12.3	....	....
Under 7 days of age	559	....	371	....	188	....	6	....	6	....	....	....	4	....	4	....	....	....	2	....	2	....	....	....
7-27 days of age	132	....	90	....	42	....	2	....	2	....	....	....	2	....	1	....	1	....	....	....	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	10	1.5	4	0.8	6	3.9	1	12.1	....	....	1	156.2	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	38,654	8.9	31,964	8.7	6,690	9.9	526	8.0	506	8.0	20	7.9	304	11.3	270	11.3	34	11.8	168	12.5	166	12.8	2	4.8
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	2	0.0	1	0.0	1	0.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	47	1.1	27	0.7	20	3.0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tuberculosis, all forms (010-019)	78	1.8	61	1.7	17	2.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
of respiratory system (010-012)	61	1.4	47	1.3	14	2.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	12	0.3	11	0.3	1	0.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	155	3.6	82	2.2	73	10.8	2	3.0	2	3.2	....	....	2	7.5	2	8.4	....	....	....	....	....	....	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	3	0.1	3	0.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	2	0.0	2	0.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	7.5	1	7.7	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	76	1.7	51	1.4	25	3.7	1	1.5	1	1.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Malignant neoplasms (140-209)	7,521	172.6	6,258	170.0	1,263	186.9	106	160.8	103	162.5	3	....	50	186.6	47	196.4	3	....	37	276.1	36	277.3	1	....
Buccal cavity & pharynx (140-149)	146	3.4	122	3.3	24	3.6	2	3.0	2	3.2	....	....	1	3.7	1	4.2	....	....	....	....	....	....	....	....
Digestive org. & peritoneum (150-159)	1,763	40.5	1,418	38.5	345	51.1	23	34.9	22	34.7	1	....	11	41.0	8	33.4	3	....	8	59.7	8	61.6	....	....
Respiratory system (160-163)	2,077	47.7	1,798	48.8	279	41.3	33	50.1	33	52.1	....	....	16	59.7	16	66.9	....	....	12	89.6	12	92.4	....	....
Breast (174)	602	13.8	504	13.7	98	14.5	10	15.2	9	14.2	1	....	3	11.2	3	12.5	....	....	5	37.3	5	38.5	....	....
Female genital organs (180-184)	437	10.0	361	9.8	76	11.2	8	12.1	8	12.6	....	....	3	11.2	3	12.5	....	....	1	7.5	1	7.7	....	....
Male genital organs (185-187)	435	10.0	315	8.6	120	17.8	6	9.1	5	7.9	1	....	4	14.9	4	16.7	....	....	3	22.4	2	15.4	1	....
Urinary organs (188, 189)	317	7.3	265	7.2	52	7.7	4	6.1	4	6.3	....	....	4	14.9	4	16.7	....	....	1	7.5	1	7.7	....	....
Other & unspecified sites (170-173, 190-199)	1,031	23.7	865	23.5	166	24.6	11	16.7	11	17.4	....	....	4	14.9	4	16.7	....	....	6	44.8	6	46.2	....	....
Lymphatic and hematopoietic tissue (200-209)	713	16.4	610	16.6	103	15.2	9	13.7	9	14.2	....	....	4	14.9	4	16.7	....	....	1	7.5	1	7.7	....	....
Benign and unspecified neoplasms (210-239)	63	1.4	46	1.2	17	2.5	2	3.0	2	3.2	....	....	1	3.7	1	4.2	....	....	....	....	....	....	....	....
Diabetes mellitus (250)	525	12.0	385	10.5	140	20.7	5	7.6	5	7.9	....	....	2	7.5	1	4.2	1	....	2	14.9	2	15.4	....	....
Avitaminoses and other nutritional deficiencies (260-269)	68	1.6	53	1.4	15	2.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Anemias (280-285)	65	1.5	48	1.3	17	2.5	1	1.5	1	1.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningitis (320)	25	0.6	11	0.3	14	2.1	3	4.6	3	4.7	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	13,985	321.0	11,807	320.7	2,178	322.4	155	235.2	151	238.2	4	....	91	339.6	86	359.4	5	....	83	619.4	83	639.4	....	....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	176	4.0	154	4.2	22	3.3	6	9.1	5	7.9	1	....	....	....	....	....	....	....	1	7.5	1	7.7	....	....
Hypertensive heart disease (402)	87	2.0	63	1.7	24	3.6	1	1.5	1	1.6	....	....	....	....	....	....	....	....	5	37.3	5	38.5	....	....
Hypertensive heart & renal disease (404)	48	1.1	42	1.1	6	0.9	3	4.6	3	4.7	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	12,621	289.7	10,697	290.6	1,924	284.8	134	203.3	131	206.7	3	....	77	287.3	74	309.2	3	....	76	567.2	76	585.5	....	....
Other forms of heart disease (420-429)	1,053	24.2	851	23.1	202	29.9	11	16.7	11	17.4	....	....	14	52.2	12	50.1	2	....	1	7.5	1	7.7	....	....
Hypertension (400, 401, 403)	106	2.4	74	2.0	32	4.7	2	3.0	2	3.2	....	....	3	11.2	3	12.5	....	....	....	....	....	....	....	....
Cerebrovascular disease (430-438)	4,283	98.3	3,480	94.5	803	118.9	53	80.4	51	80.5	2	....	53	197.8	42	175.5	11	....	8	59.7	8	61.6	....	....
Arteriosclerosis (440)	615	14.1	520	14.1	95	14.1	10	15.2	10	15.8	....	....	1	3.7	1	4.2	....	....	1	7.5	1	7.7	....	....
Other diseases of arteries, arterioles and capillaries (441-448)	492	11.3	420	11.4	72	10.7	9	13.7	9	14.2	....	....	3	11.2	3	12.5	....	....	4	29.9	4	30.8	....	....
Acute bronchitis & bronchiolitis (466)	15	0.3	11	0.3	4	0.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	66	1.5	60	1.6	6	0.9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pneumonia (480-486)	1,093	25.1	938	25.5	155	22.9	17	25.8	16	25.2	1	....	15	56.0	14	58.5	1	....	2	14.9	1	7.7	1	....
Chronic & unqual. bronchitis (490, 491)	93	2.1	86	2.3	7	1.0	....	....	....	....	....	....	3	11.2	2	8.4	1	....	....	....	....	....	....	....
Emphysema (492)	346	7.9	324	8.8	22	3.3	6	9.1	6	9.5	....	....	5	18.7	5	20.9	....	....	....	....	....	....	....	....
Asthma (493)	29	0.7	21	0.6	8	1.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	101	2.3	94	2.6	7	1.0	2	3.0	2	3.2	....	....	1	3.7	1	4.2	....	....	1	7.5	1	7.7	....	....
Appendicitis (540-543)	18	0.4	13	0.4	5	0.7	....	....	....	....	....	....	1	3.7	1	4.2	....	....	....	....	....	....	....	....
Hernia & intestinal obstruction (550-553, 560)	104	2.4	81	2.2	23	3.4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Cirrhosis of liver (571)	398	9.1	335	9.1	63	9.3	9	13.7	9	14.2	....	....	5	18.7	4	16.7	1	....	....	....	....	....	....	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	84	1.9	76	2.1	8	1.2	....	....	....	....	....	....	....	....	....	....	....	....	2	14.9	2	15.4	....	....
Acute nephritis and nephrotic syndrome (580, 581)	45	1.0	31	0.8	14	2.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	185	4.2	104	2.8	81	12.0	3	4.6	2	3.2	1	....	1	3.7	....	....	1	....	....	....	....	....	....	....
Infections of kidney (590)	101	2.3	80	2.2	21	3.1	1	1.5	1	1.6	....	....	1	3.7	....	....	1	....	1	7.5	1	7.7	....	....
Hyperplasia of prostate (600)	22	0.5	14	0.4	8	1.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	10	1.5	4	0.8	6	3.9	1	12.1	....	....	1	156.2	....	....	....	....	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	278	6.4	219	5.9	59	8.7	4	6.1	4	6.3	....	....	2	7.5	1	4.2	1	....	....	....	....	....	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	228	5.2	161	4.4	67	9.9	2	3.0	2	3.2	....	....	3	11.2	2	8.4	1	....	2	14.9	2	15.4	....	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	232	5.3	143	3.9	89	13.2	2	3.0	2	3.2	....	....	4	14.9	4	16.7	....	....	....	....	....	....	....	....
Symptoms & ill-defined conditions (780-796)	901	20.7	731	19.9	170	25.2	44	66.8	40	63.1	4	....	5	18.7	5	20.9	....	....	1	7.5	1	7.7	....	....
All other diseases	2,636	60.5	2,170	58.9	466	69.0	40	60.7	38	60.0	2	....	16	59.7	15	62.7	1	....	7	52.2	7	53.9	....	....
Motor vehicle accidents (810-823)	1,294	29.7	1,121	30.5	173	25.6	20	30.3	20	31.6	....	....	12	44.8	11	46.0	1	....	7	52.2	7	53.9	....	....
Other accidents (800-807, 825-949)	1,166	26.8	971	26.4	195	28.9	14	21.2	12	18.9	2	....	11	41.0	8	33.4	3	....	4	29.9	4	30.8	....	....
Suicide (950-959)	548	12.6	523	14.2	25	3.7	9	13.7	9	14.2	....	....	10	37.3	9	37.6	1	....	5	37.3	5	38.5	....	....
Homicide (960-978)	456	10.5	241	6.5	215	31.8	3	4.6	3	4.7	....	....	3	11.2	2	8.4	1	....	....	....	....	....	....	....
Other external causes (980-999)	82	1.9	72	2.0	10	1.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	BLEDSOE			BLOUNT			BRADLEY			CAMPBELL		
Estimated Population, July 1, 1978	TOTAL 8,500	WHITE 7,931	NONWHITE 569	TOTAL 75,500	WHITE 72,463	NONWHITE 3,037	TOTAL 62,800	WHITE 59,855	NONWHITE 2,945	TOTAL 32,100	WHITE 31,847	NONWHITE 253
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	137 16.1	136 17.1	1 1.8	993 13.2	941 13.0	52 17.1	1,046 16.7	988 16.5	58 19.7	550 17.1	548 17.2	2 7.9
In hospitals	136	135	1	988	936	52	1,043	985	58	550	548	2
Attended by physicians not in hospitals							2	2				
Attended by midwives not in hospitals	1	1		4	4							
Attended by others or unspecified not in hospital				1	1		1	1				
ILLEGITIMATE BIRTHS	12 8.8	12 8.8		95 9.6	75 8.0	20 38.5	113 10.8	88 8.9	25 43.1	64 11.6	64 11.7	
LOW-WEIGHT BIRTHS (2500 grams or less)	6 4.4	6 4.4		57 5.7	53 5.6	4 7.7	68 6.5	59 6.0	9 15.5	41 7.5	41 7.5	
FETAL DEATHS				11 11.1	11 11.7		13 12.4	13 13.2		6 10.9	6 10.9	
INFANT DEATHS (Under one year of age)	2 14.6	2 14.7		7 7.0	7 7.4		13 12.4	12 12.1	1 17.2	9 16.4	9 16.4	
Neonatal Deaths (Under 28 days of age)	1 7.3	1 7.4		5 5.0	5 5.3		12 11.5	11 11.1	1 17.2	6 10.9	6 10.9	
Under 7 days of age	1	1		4	4		9	9		4	4	
7-27 days of age				1	1		3	2	1	2	2	
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	64 7.5	64 8.1		617 8.2	581 8.0	36 11.9	467 7.4	442 7.4	25 8.5	339 10.6	338 10.6	1 4.0
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)												
Tuberculosis, all forms (010-019)				1 1.3	1 1.4		1 1.6	1 1.7		1 3.1	1 3.1	
of respiratory system (010-012)				1 1.3	1 1.4		1 1.6	1 1.7				
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)				1 1.3	1 1.4							
Septicemia (038)				1 1.3	1 1.4		1 1.6		1	1 3.1	1 3.1	
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)										1 3.1	1 3.1	
Malignant neoplasms (140-209)	6 70.6	6 75.7		145 192.1	137 189.1	8	91 144.9	87 145.4	4	85 264.8	85 266.9	
Buccal cavity & pharynx (140-149)				1 1.3	1 1.4		2 3.2	1 1.7	1	2 6.2	2 6.3	
Digestive org. & peritoneum (150-159)	1 11.8	1 12.6		39 51.7	35 48.3	4	19 30.3	17 28.4	2	13 40.5	13 40.8	
Respiratory system (160-163)	3 35.3	3 37.8		34 45.0	31 42.8	3	32 51.0	31 51.8	1	34 105.9	34 106.8	
Breast (174)				20 26.5	19 26.2	1	2 3.2	2 3.3		6 18.7	6 18.8	
Female genital organs (180-184)				7 9.3	7 9.7		8 12.7	8 13.4		2 6.2	2 6.3	
Male genital organs (185-187)				6 7.9	6 8.3		3 4.8	3 5.0		4 12.5	4 12.6	
Urinary organs (188, 189)				2 2.6	2 2.8		5 8.0	5 8.4		3 9.3	3 9.4	
Other & unspecified sites (170-175, 190-199)	1 11.8	1 12.6		22 29.1	22 30.4		12 19.1	12 20.0		12 37.4	12 37.7	
Lymphatic and hematopoietic tissue (200-209)	1 11.8	1 12.6		14 18.5	14 19.3		8 12.7	8 13.4		9 28.0	9 28.3	
Benign and unspecified neoplasms (210-239)												
Diabetes mellitus (250)	1 11.8	1 12.6		5 6.6	3 4.1	2	3 4.8	3 5.0		4 12.5	4 12.6	
Avitaminoses and other nutritional deficiencies (260-269)	1 11.8	1 12.6		1 1.3	1 1.4		1 1.6	1 1.7				
Anemias (280-285)												
Meningitis (320)										1 3.1	1 3.1	
Diseases of heart (390-398, 402, 404, 410-429)	27 317.6	27 340.4		195 258.3	179 247.0	16	152 242.0	145 242.3	7	117 364.5	117 367.4	
Active rheumatic fever and chronic rheumatic heart disease (390-398)				1 1.3	1 1.4		1 1.6	1 1.7		3 9.3	3 9.4	
Hypertensive heart disease (402)							1 1.6		1			
Hypertensive heart & renal disease (404)	1 11.8	1 12.6		1 1.3	1 1.4							
Ischemic heart disease (410-414)	25 294.1	25 315.2		183 242.4	168 231.8	15	135 215.0	130 217.2	5	104 324.0	104 326.6	
Other forms of heart disease (420-429)	1 11.8	1 12.6		10 13.2	9 12.4	1	15 23.9	14 23.4	1	10 31.2	10 31.4	
Hypertension (400, 401, 403)				1 1.3	1 1.4		1 1.6	1 1.7				
Cerebrovascular disease (430-438)	5 58.8	5 63.0		77 102.0	74 102.1	3	68 108.3	65 108.6	3	29 90.3	29 91.1	
Arteriosclerosis (440)	1 11.8	1 12.6		19 25.2	18 24.8	1	7 11.1	7 11.7				
Other diseases of arteries, arterioles and capillaries (441-448)				13 17.2	12 16.6	1	7 11.1	6 10.0	1	2 6.2	2 6.3	
Acute bronchitis & bronchiolitis (466)												
Influenza (470-474)				1 1.3	1 1.4		3 4.8	3 5.0				
Pneumonia (480-486)				26 34.4	26 35.9		14 22.3	13 21.7	1	11 34.3	11 34.5	
Chronic & unqual. bronchitis (490, 491)				2 2.6	2 2.8					3 9.3	3 9.4	
Emphysema (492)				6 7.9	5 6.9	1	9 14.3	9 15.0		2 6.2	2 6.3	
Asthma (493)				1 1.3	1 1.4		1 1.6	1 1.7		3 9.3	3 9.4	
Peptic ulcer (531-533)				2 2.6	2 2.8		1 1.6	1 1.7		1 3.1	1 3.1	
Appendicitis (540-543)				1 1.3	1 1.4							
Hernia & intestinal obstruction (550-553, 560)				3 4.0	3 4.1		2 3.2	2 3.3		1 3.1	1 3.1	
Cirrhosis of liver (571)				6 7.9	6 8.3		5 8.0	3 5.0	2	4 12.5	4 12.6	
Cholelithiasis, cholecystitis and cholangitis (574, 575)	1 11.8	1 12.6										
Acute nephritis and nephrotic syndrome (580, 581)				1 1.3	1 1.4		1 1.6	1 1.7				
Chronic and unqual. nephritis and renal sclerosis (582-584)	1 11.8	1 12.6					2 3.2	2 3.3		2 6.2	2 6.3	
Infections of kidney (590)	1 11.8	1 12.6		3 4.0	3 4.1							
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)	2 23.5	2 25.2		4 5.3	3 4.1	1	1 1.6	1 1.7		4 12.5	4 12.6	
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)				2 2.6	2 2.8		4 6.4	4 6.7		2 6.2	2 6.3	
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)				2 2.6	2 2.8		6 9.6	5 8.4	1	1 3.1	1 3.1	
Symptoms & ill-defined conditions (780-796)	1 11.8	1 12.6		4 5.3	4 5.5		5 8.0	5 8.4		7 21.8	7 22.0	
All other diseases	8 94.1	8 100.9		31 41.1	30 41.4	1	29 46.2	27 45.1	2	26 81.0	26 81.6	
Motor vehicle accidents (810-823)	2 23.5	2 25.2		24 31.8	23 31.7	1	19 30.3	18 30.1	1	9 28.0	8 25.1	1
Other accidents (800-807, 825-949)	2 23.5	2 25.2		25 33.1	24 33.1	1	16 25.5	15 25.1	1	13 40.5	13 40.8	
Suicide (950-959)	4 47.1	4 50.4		10 13.2	10 13.8		9 14.3	9 15.0		4 12.5	4 12.6	
Homicide (960-978)	1 11.8	1 12.6		3 4.0	3 4.1		7 11.1	6 10.0	1	5 15.6	5 15.7	
Other external causes (980-999)				1 1.3	1 1.4							

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	CANNON			CARROLL			CARTER			CHEATHAM		
Estimated Population, July 1, 1978	TOTAL 9,400	WHITE 9,178	NONWHITE 222	TOTAL 27,400	WHITE 24,011	NONWHITE 3,389	TOTAL 47,600	WHITE 47,128	NONWHITE 472	TOTAL 18,900	WHITE 18,029	NONWHITE 871
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	96 10.2	93 10.1	3 13.5	376 13.7	315 13.1	61 18.0	593 12.5	587 12.5	6 12.7	283 15.0	273 15.1	10 11.5
In hospitals	94	91	3	368	308	60	589	583	6	280	270	10 ....
Attended by physicians not in hospitals	....	....	....	....	....	....	2	2	....	....	....	....
Attended by midwives not in hospitals	1	1	....	2	1	1	1	1	....	1	1	....
Attended by others or unspecified not in hospital	1	1	....	6	6	....	1	1	....	2	2	....
ILLEGITIMATE BIRTHS	9 9.4	7 7.5	2	58 15.4	27 8.0	31 50.8	58 9.8	56 9.5	2	23 8.1	18 6.6	5 50.0
LOW-WEIGHT BIRTHS (2500 grams or less)	2 2.1	2 2.2	....	23 6.1	17 5.4	6 9.8	45 7.6	44 7.5	1	13 4.6	10 3.7	3 30.0
FETAL DEATHS	2 20.8	2 21.5	....	5 13.3	4 12.7	1 16.4	9 15.2	9 15.3	....	5 17.7	5 18.3	....
INFANT DEATHS (Under one year of age)	....	....	....	6 16.0	4 12.7	2 32.8	6 10.1	6 10.2	....	2 7.1	2 7.3	....
Neonatal Deaths (Under 28 days of age)	....	....	....	5 13.3	4 12.7	1 16.4	5 8.4	5 8.5	....	1 3.5	1 3.7	....
Under 7 days of age	....	....	....	4	3	1	5	5	....	1	1	....
7-27 days of age	....	....	....	1	1	....	....	....	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	98 10.4	94 10.2	4 18.0	304 11.1	274 11.4	30 8.9	421 8.8	415 8.8	6 12.7	133 7.0	125 6.9	8 9.2
CAUSE OF DEATH												
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	2 4.2	2 4.2	....	....	....	....
Tuberculosis, all forms (010-019)	1 10.6	1 10.9	....	....	....	....	....	....	....	1 5.3	1 5.5	....
of respiratory system (010-012)	1 10.6	1 10.9	....	....	....	....	....	....	....	1 5.3	1 5.5	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	....	....	....	....	....	....	1 2.1	1 2.1	....	....	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	....	....	....	....	....	....	1 2.1	1 2.1	....	....	....	....
Malignant neoplasms (140-209)	16 170.2	16 174.3	....	46 167.9	41 170.8	5	74 155.5	72 152.8	2	22 116.4	21 116.5	1 ....
Buccal cavity & pharynx (140-149)	....	....	....	2 7.3	2 8.3	....	2 4.2	2 4.2	....	1 5.3	1 5.5	....
Digestive org. & peritoneum (150-159)	4 42.6	4 43.6	....	12 43.8	11 45.8	1	16 33.6	16 34.0	....	5 26.5	5 27.7	....
Respiratory system (160-163)	7 74.5	7 76.3	....	12 43.8	12 50.0	....	20 42.0	19 40.3	1	4 21.2	4 22.2	....
Breast (174)	1 10.6	1 10.9	....	4 14.6	3 12.5	1	5 10.5	5 10.6	....	1 5.3	1 5.5	....
Female genital organs (180-184)	1 10.6	1 10.9	....	2 7.3	2 8.3	....	5 10.5	5 10.6	....	2 10.6	2 11.1	....
Male genital organs (185-187)	....	....	....	4 14.6	2 8.3	2	3 6.3	3 6.4	....	2 10.6	1 5.5	1 ....
Urinary organs (188, 189)	....	....	....	1 3.6	1 4.2	....	6 12.6	5 10.6	1	1 5.3	1 5.5	....
Other & unspecified sites (170-173, 190-199)	....	....	....	5 18.2	5 20.8	....	11 23.1	11 23.3	....	4 21.2	4 22.2	....
Lymphatic and hematopoietic tissue (200-209)	3 31.9	3 32.7	....	4 14.6	3 12.5	1	6 12.6	6 12.7	....	2 10.6	2 11.1	....
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	....	....	....	1 5.3	1 5.5	....
Diabetes mellitus (250)	1 10.6	1 10.9	....	9 32.8	9 37.5	....	6 12.6	6 12.7	....	5 26.5	3 16.6	2 ....
Avitaminoses and other nutritional deficiencies (260-269)	....	....	....	....	....	....	1 2.1	1 2.1	....	1 5.3	....	1 ....
Anemias (280-285)	....	....	....	....	....	....	....	....	....	....	....	....
Meningitis (320)	....	....	....	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	59 627.7	56 610.2	3	122 445.3	110 458.1	12	175 367.6	174 369.2	1	55 291.0	53 294.0	2 ....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	....	....	....	3 10.9	2 8.3	1	1 2.1	1 2.1	....	....	....	....
Hypertensive heart disease (402)	....	....	....	3 10.9	3 12.5	....	4 8.4	4 8.5	....	....	....	....
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	53 563.8	52 566.6	1	102 372.3	92 383.2	10	151 317.2	151 320.4	....	54 285.7	52 288.4	2 ....
Other forms of heart disease (420-429)	6 63.8	4 43.6	2	14 51.1	13 54.1	1	19 39.9	18 38.2	1	1 5.3	1 5.5	....
Hypertension (400, 401, 403)	....	....	....	....	....	....	....	....	....	....	....	....
Cerebrovascular disease (430-438)	5 53.2	4 43.6	1	44 160.6	42 174.9	2	48 100.8	48 101.9	....	11 58.2	11 61.0	....
Arteriosclerosis (440)	....	....	....	13 47.4	12 50.0	1	2 4.2	2 4.2	....	....	....	....
Other diseases of arteries, arterioles and capillaries (441-448)	2 21.3	2 21.8	....	2 7.3	1 4.2	1	6 12.6	6 12.7	....	1 5.3	1 5.5	....
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	....	....	....	1 3.6	1 4.2	....	1 2.1	1 2.1	....	....	....	....
Pneumonia (480-486)	3 31.9	3 32.7	....	5 18.2	5 20.8	....	16 33.6	15 31.8	1	3 15.9	3 16.6	....
Chronic & unqual. bronchitis (490, 491)	....	....	....	....	....	....	1 2.1	1 2.1	....	....	....	....
Emphysema (492)	2 21.3	2 21.8	....	3 10.9	3 12.5	....	8 16.8	8 17.0	....	....	....	....
Asthma (493)	....	....	....	....	....	....	....	....	....	1 5.3	1 5.5	....
Peptic ulcer (531-533)	....	....	....	1 3.6	1 4.2	....	1 2.1	1 2.1	....	1 5.3	1 5.5	....
Appendicitis (540-543)	....	....	....	....	....	....	....	....	....	....	....	....
Hernia & intestinal obstruction (550-553, 560)	....	....	....	....	....	....	....	....	....	....	....	....
Cirrhosis of liver (571)	1 10.6	1 10.9	....	2 7.3	1 4.2	1	5 10.5	5 10.6	....	....	....	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	....	....	....	1 3.6	....	1	....	....	....	1 5.3	1 5.5	....
Acute nephritis and nephrotic syndrome (580, 581)	....	....	....	1 3.6	1 4.2	....	1 2.1	1 2.1	....	....	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	....	....	....	1 3.6	1 4.2	....	3 6.3	3 6.4	....	....	....	....
Infections of kidney (590)	....	....	....	1 3.6	1 4.2	....	....	....	....	....	....	....
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	....	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	....	....	....	1 3.6	1 4.2	....	3 6.3	3 6.4	....	1 5.3	1 5.5	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	....	....	....	4 14.6	3 12.5	1	2 4.2	2 4.2	....	....	....	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	....	....	....	....	....	....	....	....	....	....	....	....
Symptoms & ill-defined conditions (780-796)	....	....	....	1 3.6	1 4.2	....	2 4.2	2 4.2	....	1 5.3	1 5.5	....
All other diseases	3 31.9	3 32.7	....	17 62.0	14 58.3	3	30 63.0	28 59.4	2	8 42.3	7 38.8	1 ....
Motor vehicle accidents (810-823)	3 31.9	3 32.7	....	10 36.5	10 41.6	....	17 35.7	17 36.1	....	6 31.7	5 27.7	1 ....
Other accidents (800-807, 825-949)	....	....	....	15 54.7	13 54.1	2	8 16.8	8 17.0	....	5 26.5	5 27.7	....
Suicide (950-959)	2 21.3	2 21.8	....	3 10.9	3 12.5	....	1 2.1	1 2.1	....	7 37.0	7 38.8	....
Homicide (960-978)	....	....	....	1 3.6	....	1	3 6.3	3 6.4	....	2 10.6	2 11.1	....
Other external causes (980-999)	....	....	....	....	....	....	3 6.3	3 6.4	....	....	....	....

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Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

Estimated Population, July 1, 1978	CHESTER			CLAIBORNE			CLAY			COCKE		
	TOTAL 12,000	WHITE 10,542	NONWHITE 1,558	TOTAL 26,400	WHITE 26,013	NONWHITE 387	TOTAL 6,960	WHITE 6,765	NONWHITE 135	TOTAL 28,500	WHITE 27,693	NONWHITE 807
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	162 13.4	137 13.0	25 16.0	327 12.4	325 12.5	2 5.2	95 13.8	95 14.0		407 14.3	395 14.3	11 13.6
In hospitals	159	135	24	326	324	2	95	95		383	372	11
Attended by physicians not in hospitals												
Attended by midwives not in hospitals				1	1					23	22	
Attended by others or unspecified not in hospital	3	2	1							1	1	
ILLEGITIMATE BIRTHS	21 13.0	9 6.6	12 48.0	24 7.3	23 7.1	1	8 8.4	8 8.4		70 17.2	66 16.7	4 36.4
LOW-WEIGHT BIRTHS (2500 grams or less)	16 9.9	14 10.2	2 8.0	19 5.8	19 5.8		10 10.5	10 10.5		35 8.6	33 8.4	2 18.2
FETAL DEATHS	1 6.2	1 7.3		1 3.1	1 3.1					8 19.7	8 20.3	
INFANT DEATHS (Under one year of age)	2 12.3	1 7.3	1 40.0	6 18.3	6 18.5		1 10.5	1 10.5		4 9.8	4 10.1	
Neonatal Deaths (Under 28 days of age)	1 6.2	1 7.3		3 9.2	3 9.2					4 9.8	4 10.1	
Under 7 days of age	1	1		3	3					3	3	
7-27 days of age										1	1	
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	103 8.5	89 8.4	14 9.0	248 9.4	247 9.5	1 2.6	70 10.1	69 10.2	1 7.4	282 9.9	277 10.0	5 6.2
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)				1 3.8	1 3.8							
Tuberculosis, all forms (010-019)							1 14.5	1 14.8		1 3.5	1 3.6	
of respiratory system (010-012)							1 14.5	1 14.8				
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)				2 7.6	2 7.7							
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)	1 8.3	1 9.5								2 7.0	2 7.2	
Malignant neoplasms (140-209)	19 157.0	17 161.3	2	44 166.7	44 169.1		15 217.4	15 221.7		39 136.8	38 137.2	
Buccal cavity & pharynx (140-149)												
Digestive org. & peritoneum (150-159)	7 57.9	7 66.4		10 37.9	10 38.4		3 43.5	3 44.3		10 35.1	10 36.1	
Respiratory system (160-163)	5 41.3	5 47.4		15 56.8	15 57.7		6 87.0	6 88.7		10 35.1	9 32.5	1
Breast (174)				4 15.2	4 15.4		1 14.5	1 14.8		3 10.5	3 10.8	
Female genital organs (180-184)	4 33.1	2 19.0	2	3 11.4	3 11.5					4 14.0	4 14.4	
Male genital organs (185-187)				3 11.4	3 11.5		4 58.0	4 59.1		2 7.0	2 7.2	
Urinary organs (188, 189)				3 11.4	3 11.5					1 3.5	1 3.6	
Other & unspecified sites (170-173, 190-199)	1 8.3	1 9.5		5 18.9	5 19.2					5 17.5	5 18.1	
Lymphatic and hematopoietic tissue (200-209)	2 16.5	2 19.0		1 3.8	1 3.8		1 14.5	1 14.8		4 14.0	4 14.4	
Benign and unspecified neoplasms (210-239)				1 3.8		1				1 3.5	1 3.6	
Diabetes mellitus (250)	2 16.5	1 9.5	1	3 11.4	3 11.5		3 43.5	2 29.6	1	11 38.6	11 39.7	
Avitaminoses and other nutritional deficiencies (260-269)										1 3.5	1 3.6	
Anemias (280-285)							1 14.5	1 14.8				
Meningitis (320)										1 3.5	1 3.6	
Diseases of heart (390-398, 402, 404, 410-429)	41 338.8	36 341.5	5	97 367.4	97 372.9		24 347.8	24 354.8		88 308.8	87 314.2	1
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1 8.3	1 9.5					1 14.5	1 14.8				
Hypertensive heart disease (402)												
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	36 297.5	33 313.0	3	90 340.9	90 346.0		22 318.8	22 325.2		84 294.7	83 299.7	1
Other forms of heart disease (420-429)	4 33.1	2 19.0	2	7 26.5	7 26.9		1 14.5	1 14.8		4 14.0	4 14.4	
Hypertension (400, 401, 403)										2 7.0	2 7.2	
Cerebrovascular disease (430-438)	15 124.0	12 113.8	3	32 121.2	32 123.0		9 130.4	9 133.0		31 108.8	31 111.9	
Arteriosclerosis (440)	2 16.5	1 9.5	1	1 3.8	1 3.8					11 38.6	11 39.7	
Other diseases of arteries, arterioles and capillaries (441-448)	3 24.8	3 28.5		3 11.4	3 11.5					1 3.5	1 3.6	
Acute bronchitis & bronchiolitis (466)												
Influenza (470-474)	1 8.3	1 9.5								1 3.5	1 3.6	
Pneumonia (480-486)	2 16.5	2 19.0		18 68.2	18 69.2		2 29.0	2 29.6		8 28.1	8 28.9	
Chronic & unqual. bronchitis (490, 491)	1 8.3	1 9.5										
Emphysema (492)	1 8.3	1 9.5		5 18.9	5 19.2					2 7.0	2 7.2	
Asthma (493)												
Peptic ulcer (531-533)										2 7.0	2 7.2	
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)												
Cirrhosis of liver (571)										6 21.1	5 18.1	1
Cholelithiasis, cholecystitis and cholangitis (574, 575)				1 3.8	1 3.8		1 14.5	1 14.8		1 3.5	1 3.6	
Acute nephritis and nephrotic syndrome (580, 581)												
Chronic and unqual. nephritis and renal sclerosis (582-584)				1 3.8	1 3.8					4 14.0	4 14.4	
Infections of kidney (590)										3 10.5	3 10.8	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)	1 8.3	1 9.5								3 10.5	3 10.8	
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)				2 7.6	2 7.7					1 3.5	1 3.6	
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	1 8.3	1 9.5								1 3.5	1 3.6	
Symptoms & ill-defined conditions (780-796)	1 8.3		1	3 11.4	3 11.5		1 14.5	1 14.8		6 21.1	6 21.7	
All other diseases	3 24.8	2 19.0	1	12 45.5	12 46.1		6 87.0	6 88.7		24 84.2	23 83.1	1
Motor vehicle accidents (810-823)	4 33.1	4 37.9		12 45.5	12 46.1		1 14.5	1 14.8		18 63.2	18 65.0	
Other accidents (800-807, 825-949)	3 24.8	3 28.5		4 15.2	4 15.4		5 72.5	5 73.9		8 28.1	7 25.3	1
Suicide (950-959)	1 8.3	1 9.5		5 18.9	5 19.2		1 14.5	1 14.8		1 3.5	1 3.6	
Homicide (960-978)	1 8.3	1 9.5		1 3.8	1 3.8					3 10.5	3 10.8	
Other external causes (980-999)										1 3.5	1 3.6	

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TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	COFFEE						CROCKETT						CUMBERLAND						DAVIDSON					
Estimated Population, July 1, 1978	TOTAL 35,300		WHITE 33,939		NONWHITE 1,361		TOTAL 14,600		WHITE 11,472		NONWHITE 3,128		TOTAL 27,200		WHITE 27,176		NONWHITE 24		TOTAL 451,200		WHITE 361,340		NONWHITE 89,860	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	537	15.2	508	15.0	29	21.3	179	12.3	122	10.6	57	18.2	403	14.8	402	14.8	1	41.7	7,027	15.6	4,927	13.6	2,099	23.4
In hospitals	527	....	498	....	29	....	179	....	122	....	57	....	394	....	393	....	1	....	7,002	....	4,910	....	2,091	....
Attended by physicians not in hospitals	7	....	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....	2	....	1	....
Attended by midwives not in hospitals	2	....	2	....	....	....	....	....	....	....	....	....	9	....	9	....	....	....	7	....	5	....	2	....
Attended by others or unspecified not in hospital	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	15	....	10	....	5	....
ILLEGITIMATE BIRTHS	53	9.9	41	8.1	12	41.4	42	23.5	8	6.6	34	59.6	40	9.9	40	10.0	....	....	1,566	22.3	415	8.4	1,150	54.8
LOW-WEIGHT BIRTHS (2500 grams or less)	41	7.6	40	7.9	1	3.4	22	12.3	11	9.0	11	19.3	26	6.5	26	6.5	....	....	622	8.9	339	6.9	283	13.5
FETAL DEATHS	6	11.2	6	11.8	....	....	2	11.2	1	8.2	1	17.5	8	19.9	8	19.9	....	....	69	9.8	42	8.5	27	12.9
INFANT DEATHS (Under one year of age)	5	9.3	4	7.9	1	34.5	8	44.7	1	8.2	7	122.8	5	12.4	5	12.4	....	....	99	14.1	54	11.0	45	21.4
Neonatal Deaths (Under 28 days of age)	1	1.9	....	....	1	34.5	7	39.1	1	8.2	6	105.3	1	2.5	1	2.5	....	....	69	9.8	36	7.3	33	15.7
Under 7 days of age	1	....	....	....	1	....	5	....	1	....	4	....	1	....	1	....	....	....	56	....	27	....	29	....
7-27 days of age	....	....	....	....	....	....	2	....	....	....	2	....	....	....	....	....	....	....	13	....	9	....	4	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1.4	....	....	1	4.8
TOTAL DEATHS	287	8.1	274	8.1	13	9.6	186	12.7	156	13.6	30	9.6	267	9.8	267	9.8	....	....	3,802	8.4	2,841	7.9	961	10.7
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	0.2	....	....	1	1.1
Enteritis & other diarrheal diseases (008, 009)	1	2.8	1	2.9	....	....	....	....	....	....	....	....	1	3.7	1	3.7	....	....	6	1.3	3	0.8	3	3.3
Tuberculosis, all forms (010-019)	1	2.8	....	....	1	....	....	....	....	....	....	....	1	3.7	1	3.7	....	....	10	2.2	6	1.7	4	4.5
of respiratory system (010-012)	1	2.8	....	....	1	....	....	....	....	....	....	....	1	3.7	1	3.7	....	....	6	1.3	3	0.8	3	3.3
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	1	2.8	1	2.9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5	1.1	4	1.1	1	1.1
Septicemia (038)	....	....	....	....	....	....	1	6.8	1	8.7	....	....	1	3.7	1	3.7	....	....	15	3.3	7	1.9	8	8.9
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	1	2.8	1	2.9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6	1.3	2	0.6	4	4.5
Malignant neoplasms (140-209)	62	175.6	59	173.8	3	....	32	219.2	30	261.5	2	....	48	176.5	48	176.6	....	....	809	179.3	617	170.8	192	213.7
Buccal cavity & pharynx (140-149)	....	....	....	....	....	....	....	....	....	....	....	....	2	7.4	2	7.4	....	....	21	4.7	15	4.2	6	6.7
Digestive org. & peritoneum (150-159)	16	45.3	16	47.1	....	....	6	41.1	5	43.6	1	....	8	29.4	8	29.4	....	....	190	42.1	134	37.1	56	62.3
Respiratory system (160-163)	20	56.7	17	50.1	3	....	12	82.2	12	104.6	....	....	17	62.5	17	62.6	....	....	227	50.3	184	50.9	43	47.9
Breast (174)	6	17.0	6	17.7	....	....	2	13.7	2	17.4	....	....	4	14.7	4	14.7	....	....	48	10.6	40	11.1	8	8.9
Female genital organs (180-184)	5	14.2	5	14.7	....	....	3	20.5	2	17.4	1	....	2	7.4	2	7.4	....	....	50	11.1	37	10.2	13	14.5
Male genital organs (185-187)	2	5.7	2	5.9	....	....	4	27.4	4	34.9	....	....	3	11.0	3	11.0	....	....	47	10.4	29	8.0	18	20.0
Urinary organs (188, 189)	....	....	....	....	....	....	1	6.8	1	8.7	....	....	2	7.4	2	7.4	....	....	38	8.4	27	7.5	11	12.2
Other & unspecified sites (170-173, 190-199)	10	28.3	10	29.5	....	....	2	13.7	2	17.4	....	....	5	18.4	5	18.4	....	....	118	26.2	93	25.7	25	27.8
Lymphatic and hematopoietic tissue (200-209)	3	8.5	3	8.8	....	....	2	13.7	2	17.4	....	....	5	18.4	5	18.4	....	....	70	15.5	58	16.1	12	13.4
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	0.7	1	0.3	2	2.2
Diabetes mellitus (250)	7	19.8	4	11.8	3	....	2	13.7	1	8.7	1	....	3	11.0	3	11.0	....	....	69	15.3	43	11.9	26	28.9
Avitaminoses and other nutritional deficiencies (260-269)	2	5.7	2	5.9	....	....	1	6.8	1	8.7	....	....	1	3.7	1	3.7	....	....	10	2.2	7	1.9	3	3.3
Anemias (280-285)	2	5.7	2	5.9	....	....	1	6.8	1	8.7	....	....	....	....	....	....	....	....	11	2.4	5	1.4	6	6.7
Meningitis (320)	....	....	....	....	....	....	1	6.8	....	....	1	....	....	....	....	....	....	....	2	0.4	2	0.6	....	....
Diseases of heart (390-398, 402, 404, 410-429)	104	294.6	102	300.5	2	....	76	520.5	70	610.2	6	....	90	330.9	90	331.2	....	....	1,325	293.7	1,037	287.0	288	320.5
Active rheumatic fever and chronic rheumatic heart disease (390-398)	3	8.5	3	8.8	....	....	....	....	....	....	....	....	2	7.4	2	7.4	....	....	18	4.0	17	4.7	1	1.1
Hypertensive heart disease (402)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	10	2.2	6	1.7	4	4.5
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	8	1.8	4	1.1	4	4.5
Ischemic heart disease (410-414)	85	240.8	84	247.5	1	....	73	500.0	67	584.0	6	....	82	301.5	82	301.7	....	....	1,196	265.1	938	259.6	258	287.1
Other forms of heart disease (420-429)	16	45.3	15	44.2	1	....	3	20.5	3	26.2	....	....	6	22.1	6	22.1	....	....	93	20.6	72	19.9	21	23.4
Hypertension (400, 401, 403)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.7	1	3.7	....	....	12	2.7	3	0.8	9	10.0
Cerebrovascular disease (430-438)	29	82.2	28	82.5	1	....	31	212.3	21	183.1	10	....	31	114.0	31	114.1	....	....	371	82.2	257	71.1	114	126.9
Arteriosclerosis (440)	2	5.7	2	5.9	....	....	3	20.5	3	26.2	....	....	4	14.7	4	14.7	....	....	71	15.7	62	17.2	9	10.0
Other diseases of arteries, arterioles and capillaries (441-448)	3	8.5	3	8.8	....	....	2	13.7	2	17.4	....	....	5	18.4	5	18.4	....	....	52	11.5	39	10.8	13	14.5
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	0.2	1	0.3	....	....
Influenza (470-474)	4	11.3	4	11.8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	0.4	1	0.3	1	1.1
Pneumonia (480-486)	10	28.3	10	29.5	....	....	6	41.1	6	52.3	....	....	7	25.7	7	25.8	....	....	96	21.3	69	19.1	27	30.0
Chronic & unqual. bronchitis (490, 491)	1	2.8	1	2.9	....	....	....	....	....	....	....	....	2	7.4	2	7.4	....	....	6	1.3	6	1.7	....	....
Emphysema (492)	2	5.7	2	5.9	....	....	2	13.7	2	17.4	....	....	1	3.7	1	3.7	....	....	64	14.2	53	14.7	11	12.2
Asthma (493)	1	2.8	1	2.9	....	....	1	6.8	1	8.7	....	....	1	3.7	1	3.7	....	....	3	0.7	1	0.3	2	2.2
Peptic ulcer (531-533)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.7	1	3.7	....	....	9	2.0	8	2.2	1	1.1
Appendicitis (540-543)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	0.2	....	....	1	1.1
Hernia & intestinal obstruction (550-553, 560)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	13	2.9	10	2.8	3	3.3
Cirrhosis of liver (571)	1	2.8	1	2.9	....	....	....	....	....	....	....	....	2	7.4	2	7.4	....	....	53	11.7	40	11.1	13	14.5
Cholelithiasis, cholecystitis and cholangitis (574, 575)	1	2.8	1	2.9	....	....	2	13.7	2	17.4	....	....	3	11.0	3	11.0	....	....	6	1.3	5	1.4	1	1.1
Acute nephritis and nephrotic syndrome (580,581)	1	2.8	1	2.9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	0.7	1	0.3	2	2.2
Chronic and unqual. nephritis and renal sclerosis (582-584)	2	5.7	2	5.9	....	....	....	....	....	....	....	....	1	3.7	1	3.7	....	....	23	5.1	6	1.7	17	18.9
Infections of kidney (590)	1	2.8	1	2.9	....	....	1	6.8	1	8.7	....	....	2	7.4	2	7.4	....	....	15	3.3	12	3.3	3	3.3
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.7	1	3.7	....	....	5	1.1	4	1.1	1	1.1
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1.4	....	....	1	4.8
Congenital anomalies (740-759)	2	5.7	1	2.9	1	....	1	6.8	....	....	1	....	2	7.4	2	7.4	....	....	26	5.8	19	5.3	7	7.8
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	....	....	....	....	....	....	1	6.8	....	....	1	....	1	3.7	1	3.7	....	....	24	5.3	17	4.7	7	7.8
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	....	....	....	....	....	....	3	20.5	....	....	3	....	....	....	....	....	....	....	26	5.8	8	2.2	18	20.0
Symptoms & ill-defined conditions (780-796)	3	8.5	3	8.8	....	....	....	....	....	....	....	....	3	11.0	3	11.0	....	....	12	2.7	10	2.8	2	2.2
All other diseases	28	79.3	26	76.6	2	....	10	68.5	9	78.5	1	....	27	99.3	27	99.4	....	....	283	62.7	210	58.1	73	81.2
Motor vehicle accidents (810-823)	4	11.3	4	11.8	....	....	3	20.5	1	8.7	2	....	13	47.8	13	47.8	....	....	96	21.3	83	23.0	13	14.5
Other accidents (800-807, 825-949)	8	22.7	8	23.6	....	....	5	34.2	4	34.9	1	....	6	22.1	6	22.1	....	....	109	24.2	85	23.5	24	26.7
Suicide (950-959)	2	5.7	2	5.9	....	....	....	....	....	....	....	....	3	11.0	3	11.0	....	....	50	11.1	48	13.3	2	2.2
Homicide (960-978)	1	2.8	1	2.9	....	....	1	6.8	....	....	1	....	2	7.4	2	7.4	....	....	85	18.8	39	10.8	46	51.2
Other external causes (980-999)	....	....	....	....	....	....	....	....	....	....	....	....	3	11.0	3	11.0	....	....	12	2.7	10	2.8	2	2.2

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	DECATUR			DEKALB			DICKSON			DYER		
Estimated Population, July 1, 1978	TOTAL 10,000	WHITE 9,492	NONWHITE 508	TOTAL 12,800	WHITE 12,527	NONWHITE 273	TOTAL 28,300	WHITE 26,470	NONWHITE 1,830	TOTAL 33,800	WHITE 29,354	NONWHITE 4,446
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	139 13.9	127 13.4	12 23.6	179 14.0	173 13.8	6 22.0	420 14.8	393 14.8	27 14.8	495 14.6	412 14.0	83 18.7
In hospitals	137	125	12	176	170	6	416	390	26	494	412	82 ....
Attended by physicians not in hospitals							2	2		1		1 ....
Attended by midwives not in hospitals	2	2	....	2	2	....	....	....	....	....	....	....
Attended by others or unspecified not in hospital				1	1	....	2	1	1	....	....	....
ILLEGITIMATE BIRTHS	10 7.2	5 3.9	5 41.7	8 4.5	8 4.6	....	33 7.9	20 5.1	13 48.1	87 17.6	33 8.0	54 65.1
LOW-WEIGHT BIRTHS (2500 grams or less)	13 9.4	12 9.4	1 8.3	10 5.6	10 5.8	....	34 8.1	30 7.6	4 14.8	48 9.7	40 9.7	8 9.6
FETAL DEATHS	....	....	....	3 16.8	3 17.3	....	5 11.9	4 10.2	1 37.0	4 8.1	4 9.7	....
INFANT DEATHS (Under one year of age)	1 7.2	1 7.9	....	4 22.3	4 23.1	....	5 11.9	4 10.2	1 37.0	13 26.3	10 24.3	3 36.1
Neonatal Deaths (Under 28 days of age)	1 7.2	1 7.9	....	2 11.2	2 11.6	....	3 7.1	2 5.1	1 37.0	8 16.2	6 14.6	2 24.1
Under 7 days of age	1	1	....	2	2	....	2	2	....	8	6	2 ....
7-27 days of age	....	....	....	....	....	....	1	....	1	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	112 11.2	108 11.4	4 7.9	137 10.7	135 10.8	2 7.3	290 10.2	273 10.3	17 9.3	396 11.7	340 11.6	56 12.6
CAUSE OF DEATH												
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	1 3.5	....	1	....	....	....
Tuberculosis, all forms (010-019)	....	....	....	....	....	....	....	....	....	....	....	....
of respiratory system (010-012)	....	....	....	....	....	....	....	....	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	1 3.0	1 3.4	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	....	....	....	....	....	....	....	....	....	....	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	1 3.0	....	1 ....
Other infective & parasitic diseases (remainder of 000-136)	....	....	....	1 7.8	1 8.0	....	....	....	....	....	....	....
Malignant neoplasms (140-209)	25 250.0	24 252.8	1	14 109.4	14 111.8	....	61 215.5	57 215.3	4	58 171.6	50 170.3	8 ....
Buccal cavity & pharynx (140-149)	1 10.0	1 10.5	....	....	....	....	4 14.1	3 11.3	1	1 3.0	1 3.4	....
Digestive org. & peritoneum (150-159)	5 50.0	5 52.7	....	3 23.4	3 23.9	....	17 60.1	16 60.4	1	18 53.3	16 54.5	2 ....
Respiratory system (160-163)	7 70.0	6 63.2	1	4 31.2	4 31.9	....	16 56.5	15 56.7	1	12 35.5	10 34.1	2 ....
Breast (174)	1 10.0	1 10.5	....	1 7.8	1 8.0	....	6 21.2	6 22.7	....	3 8.9	3 10.2	....
Female genital organs (180-184)	1 10.0	1 10.5	....	....	....	....	3 10.6	3 11.3	....	3 8.9	2 6.8	1 ....
Male genital organs (185-187)	5 50.0	5 52.7	....	....	....	....	4 14.1	3 11.3	1	5 14.8	3 10.2	2 ....
Urinary organs (188, 189)	1 10.0	1 10.5	....	....	....	....	4 14.1	4 15.1	....	2 5.9	2 6.8	....
Other & unspecified sites (170-173, 190-199)	4 40.0	4 42.1	....	4 31.2	4 31.9	....	3 10.6	3 11.3	....	11 32.5	10 34.1	1 ....
Lymphatic and hematopoietic tissue (200-209)	....	....	....	2 15.6	2 16.0	....	4 14.1	4 15.1	....	3 8.9	3 10.2	....
Benign and unspecified neoplasms (210-239)	....	....	....	2 15.6	2 16.0	....	2 7.1	2 7.6	....	1 3.0	1 3.4	....
Diabetes mellitus (250)	....	....	....	....	....	....	2 7.1	2 7.6	....	6 17.8	6 20.4	....
Avitaminoses and other nutritional deficiencies (260-269)	1 10.0	....	1	....	....	....	1 3.5	1 3.8	....	....	....	....
Anemias (280-285)	1 10.0	1 10.5	....	1 7.8	1 8.0	....	....	....	....	....	....	....
Meningitis (320)	....	....	....	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	51 510.0	50 526.8	1	53 414.1	52 415.1	1	121 427.6	115 434.5	6	135 399.4	118 402.0	17 ....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	....	....	....	....	....	....	2 7.1	2 7.6	....	2 5.9	2 6.8	....
Hypertensive heart disease (402)	....	....	....	....	....	....	....	....	....	2 5.9	2 6.8	....
Hypertensive heart & renal disease (404)	1 10.0	1 10.5	....	....	....	....	1 3.5	1 3.8	....	....	....	....
Ischemic heart disease (410-414)	46 460.0	46 484.6	....	48 375.0	47 375.2	1	111 392.2	105 396.7	6	113 334.3	101 344.1	12 ....
Other forms of heart disease (420-429)	4 40.0	3 31.6	1	5 39.1	5 39.9	....	7 24.7	7 26.4	....	18 53.3	13 44.3	5 ....
Hypertension (400, 401, 403)	1 10.0	1 10.5	....	1 7.8	1 8.0	....	....	....	....	1 3.0	....	1 ....
Cerebrovascular disease (430-438)	6 60.0	6 63.2	....	20 156.2	20 159.7	....	19 67.1	18 68.0	1	48 142.0	42 143.1	6 ....
Arteriosclerosis (440)	....	....	....	2 15.6	2 16.0	....	1 3.5	1 3.8	....	3 8.9	2 6.8	1 ....
Other diseases of arteries, arterioles and capillaries (441-448)	....	....	....	1 7.8	1 8.0	....	5 17.7	5 18.9	....	5 14.8	4 13.6	1 ....
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	1 3.5	....	1	2 5.9	1 3.4	1 ....
Influenza (470-474)	....	....	....	2 15.6	2 16.0	....	12 42.4	11 41.6	1	13 38.5	13 44.3	....
Pneumonia (480-486)	9 90.0	9 94.8	....	....	....	....	....	....	....	1 3.0	1 3.4	....
Chronic & unqual. bronchitis (490, 491)	1 10.0	1 10.5	....	1 7.8	1 8.0	....	1 3.5	1 3.8	....	3 8.9	3 10.2	....
Emphysema (492)	....	....	....	....	....	....	....	....	....	....	....	....
Asthma (493)	....	....	....	1 7.8	1 8.0	....	....	....	....	....	....	....
Peptic ulcer (531-533)	....	....	....	....	....	....	....	....	....	....	....	....
Appendicitis (540-543)	....	....	....	....	....	....	1 3.5	....	1	2 5.9	2 6.8	....
Hernia & intestinal obstruction (550-553, 560)	....	....	....	2 15.6	2 16.0	....	....	....	....	2 5.9	2 6.8	....
Cirrhosis of liver (571)	....	....	....	....	....	....	....	....	....	3 8.9	3 10.2	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	....	....	....	....	....	....	....	....	....	1 3.0	....	1 ....
Acute nephritis and nephrotic syndrome (580, 581)	....	....	....	1 7.8	1 8.0	....	1 3.5	1 3.8	....	....	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	1 10.0	1 10.5	....	1 7.8	1 8.0	....	1 3.5	....	1	1 3.0	....	1 ....
Infections of kidney (590)	....	....	....	....	....	....	....	....	....	....	....	....
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	....	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	1 10.0	1 10.5	....	1 7.8	1 8.0	....	3 10.6	3 11.3	....	3 8.9	2 6.8	1 ....
Congenital anomalies (740-759)	....	....	....	....	....	....	....	....	....	....	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	....	....	....	....	....	....	1 3.5	1 3.8	....	3 8.9	3 10.2	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	....	....	....	1 7.8	1 8.0	....	....	....	....	1 3.0	1 3.4	....
Symptoms & ill-defined conditions (780-796)	1 10.0	....	1	2 15.6	2 16.0	....	9 31.8	9 34.0	....	32 94.7	20 68.1	12 ....
All other diseases	1 10.0	1 10.5	....	13 101.6	13 103.8	....	18 63.6	18 68.0	....	40 118.3	37 126.0	3 ....
Motor vehicle accidents (810-823)	8 80.0	8 84.3	....	7 54.7	7 55.9	....	13 45.9	12 45.3	1	14 41.4	13 44.3	1 ....
Other accidents (800-807, 825-949)	4 40.0	4 42.1	....	3 23.4	2 16.0	1	14 49.5	14 52.9	....	10 29.6	10 34.1	....
Suicide (950-959)	....	....	....	5 39.1	5 39.9	....	1 3.5	1 3.8	....	4 11.8	4 13.6	....
Homicide (960-978)	1 10.0	1 10.5	....	1 7.8	1 8.0	....	1 3.5	1 3.8	....	2 5.9	1 3.4	1 ....
Other external causes (980-999)	....	....	....	1 7.8	1 8.0	....	....	....	....	....	....	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	FAYETTE						FENTRESS						FRANKLIN						GIBSON					
Estimated Population, July 1, 1978	TOTAL 25,000		WHITE 9,691		NONWHITE 15,309		TOTAL 14,600		WHITE 14,591		NONWHITE 9		TOTAL 30,400		WHITE 28,028		NONWHITE 2,372		TOTAL 47,800		WHITE 37,927		NONWHITE 9,873	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	455	18.2	175	18.1	280	18.3	184	12.6	184	12.6	....	....	435	14.3	393	14.0	42	17.7	682	14.3	475	12.5	207	21.0
In hospitals	419	....	168	....	251	....	178	....	178	....	....	....	430	....	388	....	42	....	680	....	474	....	206	....
Attended by physicians not in hospitals	23	....	7	....	16	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....
Attended by midwives not in hospitals	13	....	....	....	13	....	3	....	3	....	....	....	1	....	1	....	....	....	1	....	1	....	....	....
Attended by others or unspecified not in hospital	....	....	....	....	....	....	2	....	2	....	....	....	4	....	4	....	....	....	....	....	....	....	....	....
ILLEGITIMATE BIRTHS	197	43.3	19	10.9	178	63.6	21	11.4	21	11.4	....	....	44	10.1	29	7.4	15	35.7	157	23.0	28	5.9	129	62.3
LOW-WEIGHT BIRTHS (2500 grams or less)	47	10.3	17	9.7	30	10.7	20	10.9	20	10.9	....	....	34	7.8	28	7.1	6	14.3	53	7.8	27	5.7	26	12.6
FETAL DEATHS	14	30.8	1	5.7	13	46.4	2	10.9	2	10.9	....	....	6	13.8	4	10.2	2	47.6	7	10.3	3	6.3	4	19.3
INFANT DEATHS (Under one year of age)	8	17.6	....	....	8	28.6	5	27.2	5	27.2	....	....	6	13.8	4	10.2	2	47.6	6	8.8	2	4.2	4	19.3
Neonatal Deaths (Under 28 days of age)	5	11.0	....	....	5	17.9	3	16.3	3	16.3	....	....	3	6.9	2	5.1	1	23.8	6	8.8	2	4.2	4	19.3
Under 7 days of age	3	....	....	....	3	....	2	....	2	....	....	....	3	....	2	....	1	....	4	....	1	....	3	....
7-27 days of age	2	....	....	....	2	....	1	....	1	....	....	....	....	....	....	....	....	....	2	....	1	....	1	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	14.7	....	....	1	48.3
TOTAL DEATHS	191	7.6	93	9.6	98	6.4	164	11.2	164	11.2	....	....	284	9.3	266	9.5	18	7.6	497	10.4	401	10.6	96	9.7
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	1	4.0	1	10.3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2.1	....	....	1	10.1
Tuberculosis, all forms (010-019)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
of respiratory system (010-012)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	3	12.0	....	....	3	19.6	....	....	....	....	....	....	....	....	....	....	....	....	2	4.2	2	5.3	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	1	4.0	....	....	1	6.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Malignant neoplasms (140-209)	24	96.0	12	123.8	12	78.4	28	191.8	28	191.9	....	....	52	171.1	49	174.8	3	....	86	179.9	64	168.7	22	222.8
Buccal cavity & pharynx (140-149)	....	....	....	....	....	....	....	....	....	....	....	....	2	6.6	1	3.6	1	....	....	....	....	....	....	....
Digestive org. & peritoneum (150-159)	11	44.0	4	41.3	7	45.7	9	61.6	9	61.7	....	....	10	32.9	9	32.1	1	....	27	56.5	18	47.5	9	91.2
Respiratory system (160-163)	1	4.0	....	....	1	6.5	9	61.6	9	61.7	....	....	16	52.6	16	57.1	....	....	19	39.7	18	47.5	1	10.1
Breast (174)	1	4.0	1	10.3	....	....	1	6.8	1	6.9	....	....	2	6.6	2	7.1	....	....	5	10.5	4	10.5	1	10.1
Female genital organs (180-184)	1	4.0	....	....	1	6.5	1	6.8	1	6.9	....	....	1	3.3	1	3.6	....	....	8	16.7	6	15.8	2	20.3
Male genital organs (185-187)	4	16.0	2	20.6	2	13.1	4	27.4	4	27.4	....	....	5	16.4	5	17.8	....	....	6	12.6	3	7.9	3	30.4
Urinary organs (188, 189)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.3	1	3.6	....	....	2	4.2	1	2.6	1	10.1
Other & unspecified sites (170-173, 190-199)	3	12.0	2	20.6	1	6.5	2	13.7	2	13.7	....	....	11	36.2	10	35.7	1	....	12	25.1	8	21.1	4	40.5
Lymphatic and hematopoietic tissue (200-209)	3	12.0	3	31.0	....	....	2	13.7	2	13.7	....	....	4	13.2	4	14.3	....	....	7	14.6	6	15.8	1	10.1
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	6.3	2	5.3	1	10.1
Diabetes mellitus (250)	....	....	....	....	....	....	3	20.5	3	20.6	....	....	9	29.6	8	28.5	1	....	3	6.3	2	5.3	1	10.1
Avitaminoses and other nutritional deficiencies (260-269)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Anemias (280-285)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.3	1	3.6	....	....	3	6.3	2	5.3	1	10.1
Meningitis (320)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.3	1	3.6	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	60	240.0	32	330.2	28	182.9	72	493.2	72	493.5	....	....	102	335.5	97	346.1	5	....	190	397.5	162	427.1	28	283.6
Active rheumatic fever and chronic rheumatic heart disease (390-398)	....	....	....	....	....	....	....	....	....	....	....	....	5	16.4	4	14.3	1	....	1	2.1	1	2.6	....	....
Hypertensive heart disease (402)	....	....	....	....	....	....	1	6.8	1	6.9	....	....	1	3.3	1	3.6	....	....	3	6.3	3	7.9	....	....
Hypertensive heart & renal disease (404)	1	4.0	....	....	1	6.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	53	212.0	28	288.9	25	163.3	68	465.8	68	466.0	....	....	81	266.4	77	274.7	4	....	175	366.1	150	395.5	25	253.2
Other forms of heart disease (420-429)	6	24.0	4	41.3	2	13.1	3	20.5	3	20.6	....	....	15	49.3	15	53.5	....	....	11	23.0	8	21.1	3	30.4
Hypertension (400, 401, 403)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	4.2	2	5.3	....	....
Cerebrovascular disease (430-438)	40	160.0	23	237.3	17	111.0	17	116.4	17	116.5	....	....	35	115.1	34	121.3	1	....	79	165.3	64	168.7	15	151.9
Arteriosclerosis (440)	3	12.0	2	20.6	1	6.5	....	....	....	....	....	....	3	9.9	3	10.7	....	....	18	37.7	15	39.5	3	30.4
Other diseases of arteries, arterioles and capillaries (441-448)	3	12.0	2	20.6	1	6.5	4	27.4	4	27.4	....	....	3	9.9	3	10.7	....	....	9	18.8	6	15.8	3	30.4
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	....	....	....	....	....	....	....	....	....	....	....	....	5	16.4	5	17.8	....	....	2	4.2	2	5.3	....	....
Pneumonia (480-486)	7	28.0	5	51.6	2	13.1	4	27.4	4	27.4	....	....	6	19.7	6	21.4	....	....	12	25.1	11	29.0	1	10.1
Chronic & unqual. bronchitis (490, 491)	....	....	....	....	....	....	....	....	....	....	....	....	2	6.6	2	7.1	....	....	1	2.1	1	2.6	....	....
Emphysema (492)	2	8.0	1	10.3	1	6.5	....	....	....	....	....	....	5	16.4	5	17.8	....	....	5	10.5	5	13.2	....	....
Asthma (493)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.3	1	3.6	....	....	....	....	....	....	....	....
Appendicitis (540-543)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2.1	1	2.6	....	....
Hernia & intestinal obstruction (550-553, 560)	1	4.0	....	....	1	6.5	1	6.8	1	6.9	....	....	....	....	....	....	....	....	4	8.4	2	5.3	2	20.3
Cirrhosis of liver (571)	1	4.0	1	10.3	....	....	3	20.5	3	20.6	....	....	6	19.7	5	17.8	1	....	2	4.2	1	2.6	1	10.1
Cholelithiasis, cholecystitis and cholangitis (574, 575)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.3	1	3.6	....	....	....	....	....	....	....	....
Acute nephritis and nephrotic syndrome (580, 581)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	....	....	....	....	....	....	....	....	....	....	....	....	2	6.6	2	7.1	....	....	2	4.2	....	....	2	20.3
Infections of kidney (590)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2.1	1	2.6	....	....
Hyperplasia of prostate (600)	1	4.0	....	....	1	6.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	14.7	....	....	1	48.3
Congenital anomalies (740-759)	1	4.0	....	....	1	6.5	....	....	....	....	....	....	....	....	....	....	....	....	1	2.1	1	2.6	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	2	8.0	....	....	2	13.1	2	13.7	2	13.7	....	....	2	6.6	1	3.6	1	....	2	4.2	....	....	2	20.3
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	....	....	....	....	....	....	1	6.8	1	6.9	....	....	1	3.3	1	3.6	....	....	2	4.2	1	2.6	1	10.1
Symptoms & ill-defined conditions (780-796)	14	56.0	2	20.6	12	78.4	2	13.7	2	13.7	....	....	5	16.4	3	10.7	2	....	2	4.2	1	2.6	1	10.1
All other diseases	10	40.0	4	41.3	6	39.2	8	54.8	8	54.8	....	....	18	59.2	18	64.2	....	....	26	54.4	22	58.0	4	40.5
Motor vehicle accidents (810-823)	7	28.0	5	51.6	2	13.1	4	27.4	4	27.4	....	....	9	29.6	8	28.5	1	....	15	31.4	14	36.9	1	10.1
Other accidents (800-807, 825-949)	7	28.0	3	31.0	4	26.1	8	54.8	8	54.8	....	....	10	32.9	9	32.1	1	....	12	25.1	10	26.4	2	20.3
Suicide (950-959)	....	....	....	....	....	....	6	41.1	6	41.1	....	....	2	6.6	1	3.6	1	....	5	10.5	5	13.2	....	....
Homicide (960-978)	2	8.0	....	....	2	13.1	1	6.8	1	6.9	....	....	2	6.6	1	3.6	1	....	4	8.4	1	2.6	3	30.4
Other external causes (980-999)	1	4.0	....	....	1	6.5	....	....	....	....	....	....	1	3.3	1	3.6	....	....	1	2.1	1	2.6	....	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE 1978

	GILES			GRAINGER			GREENE			GRUNDY		
Estimated Population, July 1, 1978	TOTAL 23,400	WHITE 19,753	NONWHITE 3,647	TOTAL 16,900	WHITE 16,689	NONWHITE 211	TOTAL 52,100	WHITE 50,798	NONWHITE 1,302	TOTAL 12,400	WHITE 12,372	NONWHITE 28
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	355 15.2	294 14.9	61 16.7	211 12.5	210 12.6	1 4.7	659 12.6	642 12.6	17 13.1	232 18.7	232 18.8	....
In hospitals	350	289	61	208	207	1	657	640	17	182	182	....
Attended by physicians not in hospitals	2	2	....	....	....	....	....	....	....	49	49	....
Attended by midwives not in hospitals	1	1	....	3	3	....	2	2	....	1	1	....
Attended by others or unspecified not in hospital	2	2	....	....	....	....	....	....	....	....	....	....
ILLEGITIMATE BIRTHS	49 13.8	20 6.8	29 47.5	12 5.7	11 5.2	1	61 9.3	54 8.4	7 41.2	18 7.8	18 7.8	....
LOW-WEIGHT BIRTHS (2500 grams or less)	39 11.0	27 9.2	12 19.7	18 8.5	17 8.1	1	54 8.2	54 8.4	....	14 6.0	14 6.0	....
FETAL DEATHS	1 2.8	1 3.4	....	1 4.7	1 4.8	....	13 19.7	13 20.2	....	4 17.2	4 17.2	....
INFANT DEATHS (Under one year of age)	5 14.1	4 13.6	1 16.4	3 14.2	3 14.3	....	13 19.7	13 20.2	....	4 17.2	4 17.2	....
Neonatal Deaths (Under 28 days of age)	....	....	....	2 9.5	2 9.5	....	12 18.2	12 18.7	....	4 17.2	4 17.2	....
Under 7 days of age	....	....	....	1	1	....	9	9	....	4	4	....
7-27 days of age	....	....	....	1	1	....	3	3	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	233 10.0	203 10.3	30 8.2	140 8.3	138 8.3	2 9.5	457 8.8	441 8.7	16 12.3	136 11.0	136 11.0	....
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)										1 8.1	1 8.1	....
Tuberculosis, all forms (010-019)	....	....	....	1 5.9	1 6.0	....	2 3.8	2 3.9	....	....	....	....
of respiratory system (010-012)	....	....	....	1 5.9	1 6.0	....	2 3.8	2 3.9	....	....	....	....
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)	3 12.8	3 15.2	....	....	....	....	1 1.9	....	1	....	....	....
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)	1 4.3	1 5.1	....	....	....	....	1 1.9	1 2.0	....	1 8.1	1 8.1	....
Malignant neoplasms (140-209)	39 166.7	38 192.4	1	24 142.0	24 143.8	....	71 136.3	70 137.8	1	19 153.2	19 153.6	....
Buccal cavity & pharynx (140-149)	1 4.3	1 5.1	....	....	....	....	....	....	....	1 8.1	1 8.1	....
Digestive org. & peritoneum (150-159)	6 25.6	6 30.4	....	5 29.6	5 30.0	....	16 30.7	15 29.5	1	4 32.3	4 32.3	....
Respiratory system (160-163)	8 34.2	8 40.5	....	7 41.4	7 41.9	....	14 26.9	14 27.6	....	1 8.1	1 8.1	....
Breast (174)	4 17.1	3 15.2	1	3 17.8	3 18.0	....	9 17.3	9 17.7	....	1 8.1	1 8.1	....
Female genital organs (180-184)	5 21.4	5 25.3	....	1 5.9	1 6.0	....	5 9.6	5 9.8	....	2 16.1	2 16.2	....
Male genital organs (185-187)	1 4.3	1 5.1	....	2 11.8	2 12.0	....	3 5.8	3 5.9	....	2 16.1	2 16.2	....
Urinary organs (188, 189)	....	....	....	2 11.8	2 12.0	....	3 5.8	3 5.9	....	....	....	....
Other & unspecified sites (170-173, 190-199)	8 34.2	8 40.5	....	3 17.8	3 18.0	....	11 21.1	11 21.7	....	8 64.5	8 64.7	....
Lymphatic and hematopoietic tissue (200-209)	6 25.6	6 30.4	....	1 5.9	1 6.0	....	10 19.2	10 19.7	....	....	....	....
Benign and unspecified neoplasms (210-239)	1 4.3	1 5.1	....	....	....	....	....	....	....	....	....	....
Diabetes mellitus (250)	2 8.5	1 5.1	1	2 11.8	2 12.0	....	9 17.3	8 15.7	1	2 16.1	2 16.2	....
Avitaminoses and other nutritional deficiencies (260-269)	1 4.3	1 5.1	....	....	....	....	1 1.9	1 2.0	....	....	....	....
Anemias (280-285)							1 1.9	1 2.0	....	....	....	....
Meningitis (320)												
Diseases of heart (390-398, 402, 404, 410-429)	85 363.2	73 369.6	12	26 153.8	24 143.8	2	208 399.2	201 395.7	7	38 306.5	38 307.1	....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	....	....	....	....	....	....	4 7.7	4 7.9	....	1 8.1	1 8.1	....
Hypertensive heart disease (402)												
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	71 303.4	61 308.8	10	24 142.0	22 131.8	2	192 368.5	186 366.2	6	35 282.3	35 282.9	....
Other forms of heart disease (420-429)	14 59.8	12 60.8	2	2 11.8	2 12.0	....	12 23.0	11 21.7	1	2 16.1	2 16.2	....
Hypertension (400, 401, 403)				1 5.9	1 6.0	....	1 1.9	....	1	....	....	....
Cerebrovascular disease (430-438)	28 119.7	20 101.3	8	26 153.8	26 155.8	....	35 67.2	34 66.9	1	16 129.0	16 129.3	....
Arteriosclerosis (440)	2 8.5	2 10.1	....	....	....	....	5 9.6	5 9.8	....	5 40.3	5 40.4	....
Other diseases of arteries, arterioles and capillaries (441-448)	4 17.1	3 15.2	1	1 5.9	1 6.0	....	8 15.4	8 15.7	....	....	....	....
Acute bronchitis & bronchiolitis (466)												
Influenza (470-474)	3 12.8	3 15.2	....									
Pneumonia (480-486)	7 29.9	6 30.4	1	4 23.7	4 24.0	....	12 23.0	12 23.6	....	3 24.2	3 24.2	....
Chronic & unqual. bronchitis (490, 491)	1 4.3	1 5.1	....							2 16.1	2 16.2	....
Emphysema (492)				2 11.8	2 12.0	....	4 7.7	4 7.9	....	3 24.2	3 24.2	....
Asthma (493)												
Peptic ulcer (531-533)	1 4.3	1 5.1	....	1 5.9	1 6.0	....	....	....	....	1 8.1	1 8.1	....
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)	1 4.3	1 5.1	....	....	....	....	1 1.9	1 2.0	....	....	....	....
Cirrhosis of liver (571)				....	....	....	3 5.8	2 3.9	1	3 24.2	3 24.2	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	3 12.8	3 15.2	....	....	....	....	....	....	....	....	....	....
Acute nephritis and nephrotic syndrome (580, 581)												
Chronic and unqual. nephritis and renal sclerosis (582-584)	1 4.3	1 5.1	....	....	....	....	1 1.9	1 2.0	....	....	....	....
Infections of kidney (590)	1 4.3	1 5.1	....	....	....	....	1 1.9	1 2.0	....	....	....	....
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)	2 8.5	2 10.1	....				7 13.4	7 13.8	....	1 8.1	1 8.1	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	....	....	....	1 5.9	1 6.0	....	2 3.8	2 3.9	....	2 16.1	2 16.2	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	....	....	....	1 5.9	1 6.0	....	5 9.6	5 9.8	....	2 16.1	2 16.2	....
Symptoms & ill-defined conditions (780-796)	1 4.3	....	1	20 118.3	20 119.8	....	3 5.8	3 5.9	....	5 40.3	5 40.4	....
All other diseases	14 59.8	12 60.8	2	13 76.9	13 77.9	....	32 61.4	30 59.1	2	9 72.6	9 72.7	....
Motor vehicle accidents (810-823)	11 47.0	9 45.6	2	5 29.6	5 30.0	....	13 25.0	13 25.6	....	12 96.8	12 97.0	....
Other accidents (800-807, 825-949)	11 47.0	11 55.7	....	3 17.8	3 18.0	....	16 30.7	16 31.5	....	8 64.5	8 64.7	....
Suicide (950-959)	6 25.6	6 30.4	....	5 29.6	5 30.0	....	10 19.2	10 19.7	....	1 8.1	1 8.1	....
Homicide (960-978)	4 17.1	3 15.2	1	4 23.7	4 24.0	....	2 3.8	1 2.0	1	1 8.1	1 8.1	....
Other external cause (980-999)	....	....	....	....	....	....	2 3.8	2 3.9	....	1 8.1	1 8.1	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

Estimated Population, July 1, 1978	HAMBLEN			HAMILTON			HANCOCK			HARDEMAN		
	TOTAL 45,100	WHITE 42,620	NONWHITE 2,480	TOTAL 269,600	WHITE 219,893	NONWHITE 49,707	TOTAL 6,700	WHITE 6,616	NONWHITE 84	TOTAL 23,100	WHITE 14,191	NONWHITE 8,909
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	683 15.1	641 15.0	42 16.9	4,257 15.8	3,111 14.1	1,146 23.1	100 14.9	100 15.1		447 19.4	193 13.6	253 28.4
In hospitals	678	636	42	4,233	3,087	1,146	99	99		442	192	249
Attended by physicians not in hospital	1	1		16	16					4	1	3
Attended by midwives not in hospitals	2	2		4	4		1	1		1		1
Attended by others or unspecified not in hospital	2	2		4	4							
ILLEGITIMATE BIRTHS	79 11.6	58 9.0	21 50.0	862 20.2	215 6.9	647 56.5	11 11.0	11 11.0		176 39.4	17 8.8	159 62.8
LOW-WEIGHT BIRTHS (2500 grams or less)	51 7.5	44 6.9	7 16.7	315 7.4	183 5.9	132 11.5	3 3.0	3 3.0		48 10.7	13 6.7	35 13.8
FETAL DEATHS	4 5.9	4 6.2		33 7.8	18 5.8	15 13.1	3 30.0	3 30.0		7 15.7	1 5.2	6 23.7
INFANT DEATHS (Under one year of age)	6 8.8	4 6.2	2 47.6	69 16.2	40 12.9	29 25.3	1 10.0	1 10.0		11 24.6		11 43.5
Neonatal Deaths (Under 28 days of age)	4 5.9	2 3.1	2 47.6	52 12.2	29 9.3	23 20.1				6 13.4		6 23.7
Under 7 days of age	3	1	2	39	20	19				5		5
7-27 days of age	1	1		13	9	4				1		1
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	409 9.1	383 9.0	26 10.5	2,509 9.3	1,931 8.8	578 11.6	76 11.3	75 11.3	1 11.9	237 10.3	160 11.3	77 8.6
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)	1 2.2	1 2.3		7 2.6	4 1.8	3 6.0				1 4.3		1 11.2
Tuberculosis, all forms (010-019)	1 2.2	1 2.3		4 1.5	3 1.4	1 2.0	1 14.9	1 15.1				
of respiratory system (010-012)	1 2.2	1 2.3		4 1.5	3 1.4	1 2.0	1 14.9	1 15.1				
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)				12 4.5	5 2.3	7 14.1				1 4.3		1 11.2
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)										1 4.3	1 7.0	
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)	1 2.2	1 2.3		8 3.0	6 2.7	2 4.0						
Malignant neoplasms (140-209)	78 172.9	73 171.3	5	496 184.0	377 171.4	119 239.4	12 179.1	12 181.4		40 173.2	25 176.2	15 168.4
Buccal cavity & pharynx (140-149)	3 6.7	3 7.0		10 3.7	8 3.6	2 4.0						
Digestive org. & peritoneum (150-159)	15 33.3	12 28.2	3	122 45.3	83 37.7	39 78.5	8 119.4	8 120.9		12 51.9	7 49.3	5 56.1
Respiratory system (160-163)	19 42.1	19 44.6		156 57.9	123 55.9	33 66.4	2 29.9	2 30.2		9 39.0	8 56.4	1 11.2
Breast (174)	7 15.5	7 16.4		33 12.2	29 13.2	4 8.0				3 13.0	1 7.0	2 22.4
Female genital organs (180-184)	3 6.7	3 7.0		28 10.4	19 8.6	9 18.1				3 13.0	2 14.1	1 11.2
Male genital organs (185-187)	4 8.9	3 7.0	1	28 10.4	19 8.6	9 18.1				3 13.0	1 7.0	2 22.4
Urinary organs (188, 189)	2 4.4	1 2.3	1	17 6.3	14 6.4	3 6.0				1 4.3	1 7.0	
Other & unspecified sites (170-173, 190-199)	15 33.3	15 35.2		58 21.5	47 21.4	11 22.1	1 14.9	1 15.1		6 26.0	3 21.1	3 33.7
Lymphatic and hematopoietic tissue (200-209)	10 22.2	10 23.5		44 16.3	35 15.9	9 18.1	1 14.9	1 15.1		3 13.0	2 14.1	1 11.2
Benign and unspecified neoplasms (210-239)				5 1.9	4 1.8	1 2.0						
Diabetes mellitus (250)	5 11.1	3 7.0	2	32 11.9	23 10.5	9 18.1	3 44.8	3 45.3		8 34.6	7 49.3	1 11.2
Avitaminoses and other nutritional deficiencies (260-269)				2 0.7	2 0.9							
Anemias (280-285)				3 1.1	3 1.4							
Meningitis (320)				3 1.1	1 0.5	2 4.0				1 4.3		1 11.2
Diseases of heart (390-398, 402, 404, 410-429)	142 314.9	136 319.1	6	941 349.0	755 343.3	186 374.2	32 477.6	31 468.6	1	83 359.3	62 436.9	21 235.7
Active rheumatic fever and chronic rheumatic heart disease (390-398)	2 4.4	2 4.7		7 2.6	5 2.3	2 4.0						
Hypertensive heart disease (402)				13 4.8	9 4.1	4 8.0						
Hypertensive heart & renal disease (404)	1 2.2	1 2.3		1 0.4	1 0.5							
Ischemic heart disease (410-414)	133 294.9	127 298.0	6	865 320.8	694 315.6	171 344.0	31 462.7	30 453.4	1	81 350.6	61 429.8	20 224.5
Other forms of heart disease (420-429)	6 13.3	6 14.1		55 20.4	46 20.9	9 18.1	1 14.9	1 15.1		2 8.7	1 7.0	1 11.2
Hypertension (400, 401, 403)	2 4.4	2 4.7		11 4.1	8 3.6	3 6.0						
Cerebrovascular disease (430-438)	67 148.6	59 138.4	8	278 103.1	218 99.1	60 120.7	12 179.1	12 181.4		31 134.2	23 162.1	8 89.8
Arteriosclerosis (440)	3 6.7	3 7.0		43 15.9	33 15.0	10 20.1				6 26.0	5 35.2	1 11.2
Other diseases of arteries, arterioles and capillaries (441-448)	7 15.5	7 16.4		33 12.2	27 12.3	6 12.1	2 29.9	2 30.2		2 8.7	2 14.1	
Acute bronchitis & bronchiolitis (466)	1 2.2	1 2.3		1 0.4		1 2.0						
Influenza (470-474)	3 6.7	3 7.0		2 0.7	1 0.5	1 2.0						
Pneumonia (480-486)	15 33.3	15 35.2		78 28.9	56 25.5	22 44.3	3 44.8	3 45.3		8 34.6	4 28.2	4 44.9
Chronic & unqual. bronchitis (490, 491)				7 2.6	7 3.2							
Emphysema (492)	5 11.1	5 11.7		22 8.2	20 9.1	2 4.0	1 14.9	1 15.1		2 8.7	2 14.1	
Asthma (493)												
Peptic ulcer (531-533)	5 11.1	5 11.7		7 2.6	7 3.2							
Appendicitis (540-543)										1 4.3	1 7.0	
Hernia & intestinal obstruction (550-553, 560)	1 2.2	1 2.3		4 1.5	4 1.8							
Cirrhosis of liver (571)	7 15.5	7 16.4		27 10.0	17 7.7	10 20.1				1 4.3	1 7.0	
Cholelithiasis, cholecystitis and cholangitis (574, 575)	2 4.4	2 4.7		1 0.4	1 0.5							
Acute nephritis and nephrotic syndrome (580, 581)				2 0.7		2 4.0				2 8.7	1 7.0	1 11.2
Chronic and unqual. nephritis and renal sclerosis (582-584)	2 4.4	2 4.7		21 7.8	6 2.7	15 30.2						
Infections of kidney (590)				9 3.3	7 3.2	2 4.0						
Hyperplasia of prostate (600)				2 0.7	2 0.9							
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)	2 4.4	2 4.7		26 9.6	18 8.2	8 16.1				3 13.0	2 14.1	1 11.2
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	3 6.7	2 4.7	1	18 6.7	10 4.5	8 16.1	1 14.9	1 15.1		1 4.3		1 11.2
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)				9 3.3	3 1.4	6 12.1				3 13.0		3 33.7
Symptoms & ill-defined conditions (780-796)	4 8.9	3 7.0	1	13 4.8	6 2.7	7 14.1				8 34.6	3 21.1	5 56.1
All other diseases	25 55.4	23 54.0	2	174 64.5	139 63.2	35 70.4	2 29.9	2 30.2		12 51.9	9 63.4	3 33.7
Motor vehicle accidents (810-823)	12 26.6	11 25.8	1	68 25.2	53 24.1	15 30.2	1 14.9	1 15.1		13 56.3	8 56.4	5 56.1
Other accidents (800-807, 825-949)	6 13.3	6 14.1		80 29.7	61 27.7	19 38.2	4 59.7	4 60.5		6 26.0	3 21.1	3 33.7
Suicide (950-959)	6 13.3	6 14.1		27 10.0	24 10.9	3 6.0	1 14.9	1 15.1		1 4.3	1 7.0	
Homicide (960-978)	2 4.4	2 4.7		31 11.5	19 8.6	12 24.1	1 14.9	1 15.1		2 8.7		2 22.4
Other external causes (980-999)	1 2.2	1 2.3		2 0.7	1 0.5	1 2.0						

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE 1978

	HARDIN			HAWKINS			HAYWOOD			HENDERSON		
Estimated Population, July 1, 1978	TOTAL 20,900	WHITE 19,690	NONWHITE 1,210	TOTAL 39,300	WHITE 38,099	NONWHITE 1,201	TOTAL 21,600	WHITE 9,772	NONWHITE 11,828	TOTAL 20,000	WHITE 17,980	NONWHITE 2,020
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	310 14.8	288 14.6	22 18.2	584 14.9	573 15.0	9 7.5	349 16.2	125 12.8	224 18.9	299 15.0	270 15.0	29 14.4
In hospitals	309	287	22	583	572	9	332	125	207	298	269	29
Attended by physicians not in hospitals							3		3			
Attended by midwives not in hospitals							14		14	1	1	
Attended by others or unspecified not in hospital	1	1		1	1							
ILLEGITIMATE BIRTHS	25 8.1	18 6.2	7 31.8	47 8.0	45 7.9	2	112 32.1	7 5.6	105 46.9	27 9.0	12 4.4	15 51.7
LOW-WEIGHT BIRTHS (2500 grams or less)	27 8.7	22 7.6	5 22.7	38 6.5	38 6.6		30 8.6	8 6.4	22 9.8	27 9.0	23 8.5	4 13.8
FETAL DEATHS	4 12.9	4 13.9		11 18.8	11 19.2		7 20.1	1 8.0	6 26.8	3 10.0	2 7.4	1 34.5
INFANT DEATHS (Under one year of age)	3 9.7	3 10.4		8 13.7	8 14.0		11 31.5	3 24.0	8 35.7	4 13.4	3 11.1	1 34.5
Neonatal Deaths (Under 28 days of age)	3 9.7	3 10.4		8 13.7	8 14.0		8 22.9	3 24.0	5 22.3	2 6.7	2 7.4	
Under 7 days of age	2	2		7	7		6	3	3	1	1	
7-27 days of age	1	1		1	1		2		2	1	1	
MATERNAL DEATHS (ICDA codes 630-678)										1 33.4	1 37.0	
TOTAL DEATHS	187 8.9	176 8.9	11 9.1	337 8.6	325 8.5	12 10.0	217 10.0	98 10.0	119 10.1	225 11.2	196 10.9	29 14.4
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)	1 4.8	1 5.1					1 4.6		1 8.5			
Tuberculosis, all forms (010-019)										1 5.0	1 5.6	
of respiratory system (010-012)										1 5.0	1 5.6	
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)	1 4.8	1 5.1					2 9.3	1 10.2	1 8.5			
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)							1 4.6		1 8.5			
Malignant neoplasms (140-209)	36 172.2	33 167.6	3	50 127.2	49 128.6	1	46 213.0	20 204.7	26 219.8	38 190.0	32 178.0	6
Buccal cavity & pharynx (140-149)	1 4.8	1 5.1		2 5.1	2 5.2					1 5.0	1 5.6	
Digestive org. & peritoneum (150-159)	7 33.5	7 35.6		7 17.8	7 18.4		9 41.7	5 51.2	4 33.8	6 30.0	5 27.8	1
Respiratory system (160-163)	14 67.0	12 60.9	2	15 38.2	15 39.7	1	13 60.2	6 61.4	7 59.2	8 40.0	7 38.9	1
Breast (174)	2 9.6	2 10.2		3 7.6	3 7.9		4 18.5		4 33.8	4 20.0	3 16.7	1
Female genital organs (180-184)	2 9.6	1 5.1	1	4 10.2	4 10.5		1 4.6		1 8.5	4 20.0	3 16.7	1
Male genital organs (185-187)	1 4.8	1 5.1		2 5.1	2 5.2		4 18.5	3 30.7	1 8.5	1 5.0		1
Urinary organs (188, 189)	2 9.6	2 10.2		4 10.2	4 10.5		2 9.3		2 16.9	3 15.0	2 11.1	1
Other & unspecified sites (170-173, 190-199)	5 23.9	5 25.4		7 17.8	7 18.4		9 41.7	4 40.9	5 42.3	7 35.0	7 38.9	
Lymphatic and hematopoietic tissue (200-209)	2 9.6	2 10.2		6 15.3	6 15.7		4 18.5	2 20.5	2 16.9	4 20.0	4 22.2	
Benign and unspecified neoplasms (210-239)										1 5.0	1 5.6	
Diabetes mellitus (250)	3 14.4	3 15.2		6 15.3	4 10.5	2	2 9.3	1 10.2	1 8.5	2 10.0	2 11.1	
Avitaminoses and other nutritional deficiencies (260-269)												
Anemias (280-285)				1 2.5	1 2.6							
Meningitis (320)							1 4.6		1 8.5			
Diseases of heart (390-398, 402, 404, 410-429)	70 334.9	68 345.8	2	148 376.6	144 378.0	4	81 375.0	39 399.1	42 355.1	90 450.0	78 433.8	12
Active rheumatic fever and chronic rheumatic heart disease (390-398)	2 9.6	2 10.2		2 5.1	2 5.2					1 5.0		1
Hypertensive heart disease (402)	1 4.8	1 5.1					1 4.6		1 8.5			
Hypertensive heart & renal disease (404)				3 7.6	3 7.9							
Ischemic heart disease (410-414)	56 267.9	54 274.3	2	137 348.6	133 349.1	4	64 296.3	35 358.2	29 245.2	82 410.0	71 394.9	11
Other forms of heart disease (420-429)	11 52.6	11 55.9		6 15.3	6 15.7		16 74.1	4 40.9	12 101.5	7 35.0	7 38.9	
Hypertension (400, 401, 403)	1 4.8		1	4 10.2	4 10.5					1 5.0		1
Cerebrovascular disease (430-438)	34 162.7	33 167.6	1	26 66.2	25 65.6	1	18 83.3	7 71.6	11 93.0	42 210.0	38 211.3	4
Arteriosclerosis (440)				11 28.0	11 28.9		8 37.0	4 40.9	4 33.8	3 15.0	2 11.1	1
Other diseases of arteries, arterioles and capillaries (441-448)	1 4.8	1 5.1		5 12.7	5 13.1		1 4.6		1 8.5	2 10.0	2 11.1	
Acute bronchitis & bronchiolitis (466)												
Influenza (470-474)	1 4.8	1 5.1										
Pneumonia (480-486)	6 28.7	6 30.5		11 28.0	11 28.9		3 13.9		3 25.4	6 30.0	6 33.4	
Chronic & unqual. bronchitis (490, 491)							1 4.6	1 10.2				
Emphysema (492)				3 7.6	3 7.9					1 5.0	1 5.6	
Asthma (493)												
Peptic ulcer (531-533)				1 2.5	1 2.6		1 4.6		1 8.5			
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)				1 2.5	1 2.6		1 4.6		1 8.5			
Cirrhosis of liver (571)				1 2.5	1 2.6		1 4.6	1 10.2		2 10.0	2 11.1	
Cholelithiasis, cholecystitis and cholangitis (574, 575)	1 4.8	1 5.1		2 5.1	2 5.2							
Acute nephritis and nephrotic syndrome (580, 581)												
Chronic and unqual. nephritis and renal sclerosis (582-584)				7 17.8	7 18.4		2 9.3		2 16.9			
Infections of kidney (590)				2 5.1	2 5.2		1 4.6		1 8.5	2 10.0	2 11.1	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth and the puerperium (630-678)										1 33.4	1 37.0	
Congenital anomalies (740-759)	1 4.8	1 5.1		2 5.1	2 5.2		3 13.9	1 10.2	2 16.9			
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)				2 5.1	2 5.2		2 9.3		2 16.9	1 5.0	1 5.6	
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-774, 775, 777, 778)	1 4.8	1 5.1		4 10.2	4 10.5		1 4.6	1 10.2		1 5.0	1 5.6	
Symptoms & ill-defined conditions (780-796)	2 9.6	1 5.1	1	2 5.1	2 5.2		3 13.9	1 10.2	2 16.9			
All other diseases	9 43.1	9 45.7		21 53.4	20 52.5	1	16 74.1	12 122.8	4 33.8	11 55.0	9 50.1	2
Motor vehicle accidents (810-823)	7 33.5	7 35.6		6 15.3	5 13.1	1	12 55.6	6 61.4	6 50.7	12 60.0	11 61.2	1
Other accidents (800-807, 825-949)	5 23.9	3 15.2	2	9 22.9	8 21.0	1	5 23.1	2 20.5	3 25.4	2 10.0	2 11.1	
Suicide (950-959)	4 19.1	4 20.3		8 20.4	8 21.0					2 10.0	2 11.1	
Homicide (960-978)	2 9.6	1 5.1	1	3 7.6	2 5.2	1	4 18.5	1 10.2	3 25.4	3 15.0	1 5.6	2
Other external causes (980-999)	1 4.8	1 5.1		1 2.5	1 2.6					1 5.0	1 5.6	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	HENRY			HICKMAN			HOUSTON			HUMPHREYS		
Estimated Population, July 1, 1978	TOTAL 26,400	WHITE 22,871	NONWHITE 3,529	TOTAL 14,200	WHITE 13,487	NONWHITE 713	TOTAL 6,700	WHITE 6,298	NONWHITE 402	TOTAL 15,200	WHITE 14,610	NONWHITE 590
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	368 13.9	323 14.1	45 12.8	184 13.0	176 13.0	8 11.2	109 16.3	102 16.2	7 17.4	249 16.4	230 15.7	19 32.2
In hospitals	364	319	45	172	164	8	109	102	7	246	227	19 ....
Attended by physicians not in hospitals	1	1	....	6	6	....	....	....	....	2	2	....
Attended by midwives not in hospitals	3	3	....	5	5	....	....	....	....	1	1	....
Attended by others or unspecified not in hospital	....	....	....	1	1	....	....	....	....	....	....	....
ILLEGITIMATE BIRTHS	46 12.5	24 7.4	22 48.9	17 9.2	14 8.0	3	7 6.4	6 5.9	1	24 9.6	15 6.5	9 47.4
LOW-WEIGHT BIRTHS (2500 grams or less)	31 8.4	24 7.4	7 15.6	11 6.0	11 6.2	....	6 5.5	5 4.9	1	19 7.6	13 5.7	6 31.6
FETAL DEATHS	3 8.2	2 6.2	1 22.2	1 5.4	1 5.7	....	1 9.2	....	1	2 8.0	1 4.3	1 52.6
INFANT DEATHS (Under one year of age)	9 24.5	6 18.6	3 66.7	3 16.3	3 17.0	....	1 9.2	1 9.8	....	5 20.1	4 17.4	1 52.6
Neonatal Deaths (Under 28 days of age)	2 5.4	2 6.2	....	1 5.4	1 5.7	....	1 9.2	1 9.8	....	4 16.1	3 13.0	1 52.6
Under 7 days of age	1	1	....	1	1	....	1	1	....	4	3	1 ....
7-27 days of age	1	1	....	....	....	....	....	....	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	326 12.3	286 12.5	40 11.3	154 10.8	146 10.8	8 11.2	75 11.2	71 11.3	4 10.0	160 10.5	155 10.6	5 8.5
CAUSE OF DEATH												
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	....	....	....	....	....	....
Tuberculosis, all forms (010-019)	1 3.8	1 4.4	....	....	....	....	....	....	....	....	....	....
of respiratory system (010-012)	....	....	....	....	....	....	....	....	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	1 3.8	1 4.4	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	1 3.8	1 4.4	....	2 14.1	1 7.4	1	....	....	....	....	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	1 3.8	1 4.4	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	....	....	....	....	....	....	....	....	....	....	....	....
Malignant neoplasms (140-209)	68 257.6	62 271.1	6	27 190.1	24 177.9	3	10 149.3	9 142.9	1	26 171.1	26 178.0	....
Buccal cavity & pharynx (140-149)	2 7.6	2 8.7	....	1 7.0	1 7.4	....	....	....	....	....	....	....
Digestive org. & peritoneum (150-159)	12 45.5	11 48.1	1	9 63.4	8 59.3	1	3 44.8	2 31.8	1	9 59.2	9 61.6	....
Respiratory system (160-163)	23 87.1	19 83.1	4	8 56.3	7 51.9	1	3 44.8	3 47.6	....	8 52.6	8 54.8	....
Breast (174)	3 11.4	3 13.1	....	1 7.0	....	1	....	....	....	2 13.2	2 13.7	....
Female genital organs (180-184)	3 11.4	3 13.1	....	1 7.0	1 7.4	....	2 29.9	2 31.8	....	1 6.6	1 6.8	....
Male genital organs (185-187)	4 15.2	4 17.5	....	....	....	....	1 14.9	1 15.9	....	....	....	....
Urinary organs (188, 189)	8 30.3	7 30.6	1	2 14.1	2 14.8	....	....	....	....	1 6.6	1 6.8	....
Other & unspecified sites (170-173, 190-199)	8 30.3	8 35.0	....	4 28.2	4 29.7	....	....	....	....	1 6.6	1 6.8	....
Lymphatic and hematopoietic tissue (200-209)	5 18.9	5 21.9	....	1 7.0	1 7.4	....	1 14.9	1 15.9	....	4 26.3	4 27.4	....
Benign and unspecified neoplasms (210-239)	2 7.6	2 8.7	....	....	....	....	2 29.9	2 31.8	....	....	....	....
Diabetes mellitus (250)	10 37.9	7 30.6	3	4 28.2	3 22.2	1	....	....	....	....	....	....
Avitaminoses and other nutritional deficiencies (260-269)	1 3.8	1 4.4	....	1 7.0	1 7.4	....	1 14.9	1 15.9	....	1 6.6	1 6.8	....
Anemias (280-285)	....	....	....	....	....	....	....	....	....	....	....	....
Meningitis (320)	1 3.8	....	1	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	115 435.6	106 463.5	9	59 415.5	57 422.6	2	31 462.7	29 460.5	2	63 414.5	59 403.8	4 ....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1 3.8	1 4.4	....	3 21.1	3 22.2	....	....	....	....	....	....	....
Hypertensive heart disease (402)	1 3.8	1 4.4	....	....	....	....	....	....	....	1 6.6	1 6.8	....
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	106 401.5	98 428.5	8	46 323.9	45 333.7	1	30 447.8	28 444.6	2	57 375.0	54 369.6	3 ....
Other forms of heart disease (420-429)	7 26.5	6 26.2	1	10 70.4	9 66.7	1	1 14.9	1 15.9	....	5 32.9	4 27.4	1 ....
Hypertension (400, 401, 403)	....	....	....	1 7.0	1 7.4	....	....	....	....	....	....	....
Cerebrovascular disease (430-438)	39 147.7	34 148.7	5	12 84.5	11 81.6	1	9 134.3	8 127.0	1	11 72.4	11 75.3	....
Arteriosclerosis (440)	7 26.5	5 21.9	2	3 21.1	3 22.2	....	2 29.9	2 31.8	....	....	....	....
Other diseases of arteries, arterioles and capillaries (441-448)	5 18.9	5 21.9	....	3 21.1	3 22.2	....	2 29.9	2 31.8	....	1 6.6	1 6.8	....
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	....	....	....	....	....	....	....	....	....	....	....	....
Pneumonia (480-486)	9 34.1	8 35.0	1	4 28.2	4 29.7	....	1 14.9	1 15.9	....	5 32.9	5 34.2	....
Chronic & unqual. bronchitis (490, 491)	1 3.8	....	1	....	....	....	1 14.9	1 15.9	....	2 13.2	2 13.7	....
Emphysema (492)	6 22.7	6 26.2	....	4 28.2	4 29.7	....	....	....	....	4 26.3	4 27.4	....
Asthma (493)	....	....	....	....	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	1 3.8	1 4.4	....	1 7.0	1 7.4	....	....	....	....	1 6.6	1 6.8	....
Appendicitis (540-543)	....	....	....	....	....	....	....	....	....	....	....	....
Hernia & intestinal obstruction (550-553, 560)	2 7.6	2 8.7	....	....	....	....	....	....	....	....	....	....
Cirrhosis of liver (571)	1 3.8	1 4.4	....	....	....	....	....	....	....	....	....	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	1 3.8	1 4.4	....	....	....	....	....	....	....	1 6.6	1 6.8	....
Acute nephritis and nephrotic syndrome (580, 581)	1 3.8	1 4.4	....	....	....	....	....	....	....	....	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	....	....	....	1 7.0	1 7.4	....	....	....	....	1 6.6	1 6.8	....
Infections of kidney (590)	1 3.8	....	1	1 7.0	1 7.4	....	....	....	....	....	....	....
Hyperplasia of prostate (600)	1 3.8	1 4.4	....	....	....	....	....	....	....	....	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	1 3.8	1 4.4	....	1 7.0	1 7.4	....	....	....	....	....	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	1 3.8	1 4.4	....	1 7.0	1 7.4	....	....	....	....	....	....	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771,774, 775, 777, 778)	1 3.8	1 4.4	....	....	....	....	1 14.9	1 15.9	....	4 26.3	3 20.5	1 ....
Symptoms & ill-defined conditions (780-796)	1 3.8	1 4.4	....	1 7.0	1 7.4	....	....	....	....	2 13.2	2 13.7	....
All other diseases	20 75.8	18 78.7	2	12 84.5	12 89.0	....	7 104.5	7 111.1	....	12 78.9	12 82.1	....
Motor vehicle accidents (810-823)	7 26.5	5 21.9	2	2 14.1	2 14.8	....	2 29.9	2 31.8	....	6 39.5	6 41.1	....
Other accidents (800-807, 825-949)	9 34.1	7 30.6	2	6 42.3	6 44.5	....	2 29.9	2 31.8	....	14 92.1	14 95.8	....
Suicide (950-959)	5 18.9	4 17.5	1	6 42.3	6 44.5	....	3 44.8	3 47.6	....	4 26.3	4 27.4	....
Homicide (960-978)	5 18.9	1 4.4	4	2 14.1	2 14.8	....	1 14.9	1 15.9	....	1 6.6	1 6.8	....
Other external causes (980-999)	....	....	....	....	....	....	....	....	....	1 6.6	1 6.8	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	JACKSON			JEFFERSON			JOHNSON			KNOX		
Estimated Population, July 1, 1978	TOTAL 8,800	WHITE 8,769	NONWHITE 31	TOTAL 29,300	WHITE 28,318	NONWHITE 982	TOTAL 13,900	WHITE 13,767	NONWHITE 133	TOTAL 302,400	WHITE 276,058	NONWHITE 26,342
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	103 11.7	103 11.7	....	355 12.1	351 12.4	4 4.1	207 14.9	206 15.0	1 7.5	4,068 13.5	3,512 12.7	556 21.1
In hospitals	103	103	....	350	346	4	204	203	1	4,036	3,483	553 ....
Attended by physicians not in hospitals	....	....	....	....	....	....	2	2	....	6	5	1 ....
Attended by midwives not in hospitals	....	....	....	5	5	....	....	....	....	19	17	2 ....
Attended by others or unspecified not in hospital	....	....	....	....	....	....	1	1	....	7	7	....
ILLEGITIMATE BIRTHS	11 10.7	11 10.7	....	37 10.4	37 10.5	....	21 10.1	21 10.2	....	612 15.0	315 9.0	297 53.4
LOW-WEIGHT BIRTHS (2500 grams or less)	8 7.8	8 7.8	....	20 5.6	20 5.7	....	26 12.6	26 12.6	....	316 7.8	237 6.7	79 14.2
FETAL DEATHS	3 29.1	3 29.1	....	3 8.5	3 8.5	....	....	....	....	42 10.3	27 7.7	15 27.0
INFANT DEATHS (Under one year of age)	....	....	....	9 25.4	8 22.8	1	8 38.6	8 38.8	....	59 14.5	50 14.2	9 16.2
Neonatal Deaths (Under 28 days of age)	....	....	....	6 16.9	6 17.1	....	8 38.6	8 38.8	....	43 10.6	35 10.0	8 14.4
Under 7 days of age	....	....	....	3	3	....	5	5	....	35	28	7 ....
7-27 days of age	....	....	....	3	3	....	3	3	....	8	7	1 ....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	113 12.8	112 12.9	1 32.3	229 7.8	221 7.8	8 8.1	137 9.9	137 10.0	....	2,721 9.0	2,457 8.9	264 10.0
CAUSE OF DEATH												
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	....	....	....	....	....	....
Tuberculosis, all forms (010-019)	....	....	....	1 3.4	1 3.5	....	....	....	....	5 1.7	5 1.8	....
of respiratory system (010-012)	....	....	....	....	....	....	....	....	....	6 2.0	6 2.2	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	4 1.3	4 1.4	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	....	....	....	....	....	....	....	....	....	1 0.3	1 0.4	....
Acute poliomyelitis (040-043)	....	....	....	1 3.4	1 3.5	....	1 7.2	1 7.3	....	5 1.7	4 1.4	1 3.8
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	....	....	....	....	....	....	....	....	....	6 2.0	6 2.2	....
Malignant neoplasms (140-209)	17 193.2	17 193.9	....	40 136.5	40 141.3	....	20 143.9	20 145.3	....	568 187.8	514 186.2	54 205.0
Buccal cavity & pharynx (140-149)	....	....	....	1 3.4	1 3.5	....	....	....	....	10 3.3	10 3.6	....
Digestive org. & peritoneum (150-159)	3 34.1	3 34.2	....	14 47.8	14 49.4	....	5 36.0	5 36.3	....	121 40.0	104 37.7	17 64.5
Respiratory system (160-163)	4 45.5	4 45.6	....	7 23.9	7 24.7	....	8 57.6	8 58.1	....	173 57.2	160 58.0	13 49.4
Breast (174)	....	....	....	....	....	....	3 21.6	3 21.8	....	53 17.5	49 17.7	4 15.2
Female genital organs (180-184)	1 11.4	1 11.4	....	2 6.8	2 7.1	....	....	....	....	36 11.9	34 12.3	2 7.6
Male genital organs (185-187)	2 22.7	2 22.8	....	2 6.8	2 7.1	....	....	....	....	30 9.9	25 9.1	5 19.0
Urinary organs (188, 189)	5 56.8	5 57.0	....	1 3.4	1 3.5	....	....	....	....	21 6.9	20 7.2	1 3.8
Other & unspecified sites (170-173, 190-199)	1 11.4	1 11.4	....	3 10.2	3 10.6	....	4 28.8	4 29.1	....	74 24.5	69 25.0	5 19.0
Lymphatic and hematopoietic tissue (200-209)	1 11.4	1 11.4	....	10 34.1	10 35.3	....	....	....	....	50 16.5	43 15.6	7 26.6
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	1 7.2	1 7.3	....	7 2.3	5 1.8	2 7.6
Diabetes mellitus (250)	2 22.7	2 22.8	....	5 17.1	4 14.1	1	1 7.2	1 7.3	....	32 10.6	27 9.8	5 19.0
Avitaminoses and other nutritional deficiencies (260-269)	....	....	....	1 3.4	1 3.5	....	....	....	....	6 2.0	5 1.8	1 3.8
Anemias (280-285)	....	....	....	....	....	....	....	....	....	5 1.7	4 1.4	1 3.8
Meningitis (320)	....	....	....	....	....	....	....	....	....	2 0.7	1 0.4	1 3.8
Diseases of heart (390-398, 402, 404, 410-429)	47 534.1	47 536.0	....	73 249.1	71 250.7	2	54 388.5	54 392.2	....	734 242.7	677 245.2	57 216.4
Active rheumatic fever and chronic rheumatic heart disease (390-398)	....	....	....	....	....	....	1 7.2	1 7.3	....	9 3.0	7 2.5	2 7.6
Hypertensive heart disease (402)	....	....	....	....	....	....	....	....	....	2 0.7	2 0.7	....
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	....	....	....	2 0.7	1 0.4	1 3.8
Ischemic heart disease (410-414)	46 522.7	46 524.6	....	69 235.5	68 240.1	1	42 302.2	42 305.1	....	676 223.5	625 226.4	51 193.6
Other forms of heart disease (420-429)	1 11.4	1 11.4	....	4 13.7	3 10.6	1	11 79.1	11 79.9	....	45 14.9	42 15.2	3 11.4
Hypertension (400, 401, 403)	....	....	....	....	....	....	....	....	....	6 2.0	6 2.2	....
Cerebrovascular disease (430-438)	13 147.7	13 148.2	....	32 109.2	29 102.4	3	17 122.3	17 123.5	....	254 84.0	231 83.7	23 87.3
Arteriosclerosis (440)	3 34.1	2 22.8	1	5 17.1	5 17.7	....	2 14.4	2 14.5	....	26 8.6	25 9.1	1 3.8
Other diseases of arteries, arterioles and capillaries (441-448)	1 11.4	1 11.4	....	1 3.4	1 3.5	....	4 28.8	4 29.1	....	30 9.9	27 9.8	3 11.4
Acute bronchitis & bronchiolitis (466)	....	....	....	1 3.4	1 3.5	....	....	....	....	....	....	....
Influenza (470-474)	....	....	....	1 3.4	1 3.5	....	....	....	....	3 1.0	3 1.1	....
Pneumonia (480-486)	2 22.7	2 22.8	....	2 6.8	2 7.1	....	3 21.6	3 21.8	....	79 26.1	72 26.1	7 26.6
Chronic & unqual. bronchitis (490, 491)	....	....	....	1 3.4	1 3.5	....	....	....	....	5 1.7	4 1.4	1 3.8
Emphysema (492)	2 22.7	2 22.8	....	2 6.8	2 7.1	....	....	....	....	19 6.3	19 6.9	....
Asthma (493)	....	....	....	....	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	....	....	....	1 3.4	1 3.5	....	1 7.2	1 7.3	....	5 1.7	5 1.8	....
Appendicitis (540-543)	1 11.4	1 11.4	....	....	....	....	1 7.2	1 7.3	....	1 0.3	1 0.4	....
Hernia & intestinal obstruction (550-553, 560)	....	....	....	1 3.4	1 3.5	....	....	....	....	5 1.7	4 1.4	1 3.8
Cirrhosis of liver (571)	2 22.7	2 22.8	....	3 10.2	3 10.6	....	....	....	....	29 9.6	28 10.1	1 3.8
Cholelithiasis, cholecystitis and cholangitis (574, 575)	....	....	....	....	....	....	....	....	....	4 1.3	3 1.1	1 3.8
Acute nephritis and nephrotic syndrome (580, 581)	....	....	....	....	....	....	....	....	....	3 1.0	3 1.1	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	....	....	....	....	....	....	1 7.2	1 7.3	....	12 4.0	9 3.3	3 11.4
Infections of kidney (590)	....	....	....	....	....	....	....	....	....	2 0.7	1 0.4	1 3.8
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	2 0.7	2 0.7	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	1 11.4	1 11.4	....	2 6.8	2 7.1	....	3 21.6	3 21.8	....	12 4.0	11 4.0	1 3.8
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	....	....	....	2 6.8	2 7.1	....	2 14.4	2 14.5	....	14 4.6	10 3.6	4 15.2
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	....	....	....	2 6.8	2 7.1	....	1 7.2	1 7.3	....	16 5.3	13 4.7	3 11.4
Symptoms & ill-defined conditions (780-796)	....	....	....	6 20.5	5 17.7	1	3 21.6	3 21.8	....	413 136.6	358 129.7	55 208.8
All other diseases	8 90.9	8 91.2	....	16 54.6	15 53.0	1	9 64.7	9 65.4	....	167 55.2	154 55.8	13 49.4
Motor vehicle accidents (810-823)	4 45.5	4 45.6	....	17 58.0	17 60.0	....	3 21.6	3 21.8	....	91 30.1	85 30.8	6 22.8
Other accidents (800-807, 825-949)	4 45.5	4 45.6	....	10 34.1	10 35.3	....	8 57.6	8 58.1	....	75 24.8	66 23.9	9 34.2
Suicide (950-959)	1 11.4	1 11.4	....	1 3.4	1 3.5	....	2 14.4	2 14.5	....	44 14.6	43 15.6	1 3.8
Homicide (960-978)	3 34.1	3 34.2	....	1 3.4	1 3.5	....	....	....	....	21 6.9	14 5.1	7 26.6
Other external causes (980-999)	2 22.7	2 22.8	....	1 3.4	1 3.5	....	....	....	....	6 2.0	5 1.8	1 3.8

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	LAKE				LAUDERDALE				LAWRENCE				LEWIS			
Estimated Population, July 1, 1978	TOTAL 7,100		WHITE 5,442		NONWHITE 1,658		TOTAL 23,100		WHITE 15,186		NONWHITE 7,914		TOTAL 33,900		WHITE 33,383		NONWHITE 517		TOTAL 8,700		WHITE 8,531		NONWHITE 169	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	115	16.2	79	14.5	36	21.7	403	17.4	219	14.4	184	23.2	509	15.0	497	14.9	12	23.2	189	21.7	186	21.8	3	17.8
In hospitals	114		79		35		391		218		173		495		483		12		103		102		1	
Attended by physicians not in hospitals							1		1				8		8				13		13			
Attended by midwives not in hospitals	1				1		10				10		5		5				71		70		1	
Attended by others or unspecified not in hospital							1				1		1		1				2		1		1	
ILLEGITIMATE BIRTHS	43	37.4	11	13.9	32	88.9	109	27.0	18	8.2	91	49.5	38	7.5	33	6.6	5	41.7	25	13.2	24	12.9	1	
LOW-WEIGHT BIRTHS (2500 grams or less)	9	7.8	6	7.6	3	8.3	42	10.4	15	6.8	27	14.7	32	6.3	31	6.2	1	8.3	11	5.8	11	5.9		
FETAL DEATHS	2	17.4	1	12.7	1	27.8	4	9.9	3	13.7	1	5.4	9	17.7	9	18.1			1	5.3	1	5.4		
INFANT DEATHS (Under one year of age)	1	8.7	1	12.7			6	14.9	3	13.7	3	16.3	9	17.7	9	18.1			2	19.6	2	10.8		
Neonatal Deaths (Under 28 days of age)							6	14.9	3	13.7	3	16.3	7	13.8	7	14.1			2	10.6	2	10.8		
Under 7 days of age							2		2				5		5				1		1			
7-27 days of age							4		1		3		2		2				1		1			
MATERNAL DEATHS (ICDA codes 630-678)							1	24.8			1	54.3												
TOTAL DEATHS	89	12.5	71	13.0	18	10.9	251	10.9	176	11.6	75	9.5	338	10.0	334	10.0	4	7.7	67	7.7	63	7.4	4	23.7
CAUSE OF DEATH																								
Typhoid fever (001)																								
Bacillary dysentery and amebiasis (004, 006)																								
Enteritis & other diarrheal diseases (008, 009)													1	2.9	1	3.0								
Tuberculosis, all forms (010-019)	1	14.1	1	18.4									2	5.9	2	6.0			1	11.5	1	11.7		
of respiratory system (010-012)	1	14.1	1	18.4									2	5.9	2	6.0								
Diphtheria (032)																								
Whooping cough (033)																								
Strep. sore throat & scarlet fever (034)																								
Meningococcal infection (036)																								
Septicemia (038)							3	13.0			3	37.9	4	11.8	4	12.0								
Acute poliomyelitis (040-043)																								
Measles (055)																								
Viral encephalitis (062-065)																								
Rocky Mtn. spotted fever (082.0)																								
Syphilis & its sequelae (090-097)																								
Other infective & parasitic diseases (remainder of 000-136)																								
Malignant neoplasms (140-209)	15	211.3	12	220.5	3		34	147.2	23	151.5	11	139.0	73	215.3	73	218.7			13	149.4	13	152.4		
Buccal cavity & pharynx (140-149)													1	2.9	1	3.0								
Digestive org. & peritoneum (150-159)	2	28.2	1	18.4	1		7	30.3	4	26.3	3	37.9	14	41.3	14	41.9			1	11.5	1	11.7		
Respiratory system (160-163)	7	98.6	6	110.3	1		9	39.0	8	52.7	1	12.6	17	50.1	17	50.9			5	57.5	5	58.6		
Breast (174)	1	14.1	1	18.4			2	8.7	1	6.6	1	12.6	9	26.5	9	27.0			1	11.5	1	11.7		
Female genital organs (180-184)							3	13.0	3	19.8			3	8.8	3	9.0								
Male genital organs (185-187)							1	4.3			1	12.6	5	14.7	5	15.0								
Urinary organs (188, 189)							2	8.7			2	25.3	5	14.7	5	15.0			1	11.5	1	11.7		
Other & unspecified sites (170-173, 190-199)	4	56.3	3	55.1	1		4	17.3	3	19.8	1	12.6	10	29.5	10	30.0			3	34.5	3	35.2		
Lymphatic and hematopoietic tissue (200-209)	1	14.1	1	18.4			6	26.0	4	26.3	2	25.3	9	26.5	9	27.0			2	23.0	2	23.4		
Benign and unspecified neoplasms (210-239)							1	4.3			1	12.6	1	2.9	1	3.0								
Diabetes mellitus (250)	1	14.1	1	18.4			6	26.0	3	19.8	3	37.9	2	5.9	2	6.0								
Avitaminoses and other nutritional deficiencies (260-269)																								
Anemias (280-285)							1	4.3	1	6.6			1	2.9	1	3.0								
Meningitis (320)																								
Diseases of heart (390-398, 402, 404, 410-429)	29	408.5	25	459.4	4		98	424.2	74	487.3	24	303.3	154	454.3	153	458.3	1		25	287.4	23	269.6	2	
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1	14.1	1	18.4									2	5.9	2	6.0			2	23.0	2	23.4		
Hypertensive heart disease (402)																								
Hypertensive heart & renal disease (404)													1	2.9	1	3.0								
Ischemic heart disease (410-414)	27	380.3	23	422.6	4		89	385.3	68	447.8	21	265.4	119	351.0	119	356.5			21	241.4	19	222.7	2	
Other forms of heart disease (420-429)	1	14.1	1	18.4			9	39.0	6	39.5	3	37.9	32	94.4	31	92.9	1		2	23.0	2	23.4		
Hypertension (400, 401, 403)													1	2.9	1	3.0								
Cerebrovascular disease (430-438)	9	26.8	6	110.3	3		32	138.5	23	151.5	9	113.7	20	59.0	20	59.9			6	69.0	6	70.3		
Arteriosclerosis (440)							1	4.3	1	6.6			4	11.8	4	12.0								
Other diseases of arteries, arterioles and capillaries (441-448)	1	14.1			1		3	13.0	3	19.8			3	8.8	3	9.0			2	23.0	2	23.4		
Acute bronchitis & bronchiolitis (466)																								
Influenza (470-474)	1	14.1	1	18.4															1	11.5	1	11.7		
Pneumonia (480-486)	2	28.2	2	36.8			8	34.6	6	39.5	2	25.3	12	35.4	12	35.9			1	11.5	1	11.7		
Chronic & unqual. bronchitis (490, 491)													2	5.9	2	6.0			1	11.5	1	11.7		
Emphysema (492)	1	14.1	1	18.4									5	14.7	5	15.0			1	11.5	1	11.7		
Asthma (493)																								
Peptic ulcer (531-533)							1	4.3	1	6.6			1	2.9	1	3.0								
Appendicitis (540-543)																								
Hernia & intestinal obstruction (550-553, 560)	1	14.1	1	18.4			1	4.3			1	12.6												
Cirrhosis of liver (571)	1	14.1	1	18.4			4	17.3	4	26.3			4	11.8	4	12.0								
Cholelithiasis, cholecystitis and cholangitis (574, 575)													2	5.9	2	6.0								
Acute nephritis and nephrotic syndrome (580, 581)							1	4.3	1	6.6														
Chronic and unqual. nephritis and renal sclerosis (582-584)							1	4.3			1	12.6	1	2.9	1	3.0								
Infections of kidney (590)							2	8.7	1	6.6	1	12.6												
Hyperplasia of prostate (600)																								
Complications of pregnancy, childbirth and the puerperium (630-678)							1	24.8			1	54.3												
Congenital anomalies (740-759)							2	8.7	2	13.2			3	8.8	3	9.0								
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)							2	8.7	2	13.2			2	5.9	2	6.0								
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)													1	2.9	1	3.0			1	11.5	1	11.7		
Symptoms & ill-defined conditions (780-796)	7	98.6	5	91.9	2		3	13.0			3	37.9	1	2.9	1	3.0			2	23.0	2	23.4		
All other diseases	8	112.7	8	147.0			21	90.9	17	111.9	4	50.5	13	38.3	12	35.9	1		3	34.5	3	35.2		
Motor vehicle accidents (810-823)	4	56.3	3	55.1	1		3	13.0	1	6.6	2	25.3	9	26.5	8	24.0	1		3	34.5	2	23.4	1	
Other accidents (800-807, 825-949)	5	70.4	2	36.8	3		17	73.6	9	59.3	8	101.1	12	35.4	11	33.0	1		4	46.0	3	35.2	1	
Suicide (950-959)	1	14.1	1	18.4			2	8.7	2	13.2			1	2.9	1	3.0			1	11.5	1	11.7		
Homicide (960-978)	2	28.2	1	18.4	1		3	13.0	2	13.2	1	12.6	3	8.8	3	9.0			1	11.5	1	11.7		
Other external causes (980-999)																			1	11.5	1	11.7		

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	LINCOLN			LOUDON			MCMINN			MCNAIRY		
Estimated Population, July 1, 1978	TOTAL 25,300	WHITE 22,382	NONWHITE 2,918	TOTAL 27,300	WHITE 26,723	NONWHITE 577	TOTAL 39,700	WHITE 37,641	NONWHITE 2,059	TOTAL 21,600	WHITE 20,124	NONWHITE 1,476
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	366 14.5	312 13.9	54 18.5	357 13.1	351 13.1	6 10.4	569 14.3	534 14.2	35 17.0	316 14.6	278 13.8	38 25.7
In hospitals	364	310	54	355	349	6	567	532	35	313	275	38
Attended by physicians not in hospitals												
Attended by midwives not in hospitals	1	1		2	2		1	1				
Attended by others or unspecified not in hospital	1	1					1	1		3	3	
ILLEGITIMATE BIRTHS	43 11.7	20 6.4	23 42.6	18 5.0	17 4.8	1	58 10.2	44 8.2	14 40.0	37 11.7	16 5.8	21 55.3
LOW-WEIGHT BIRTHS (2500 grams or less)	26 7.1	20 6.4	6 11.1	25 7.0	25 7.1		37 6.5	31 5.8	6 17.1	29 9.2	25 9.0	4 10.5
FETAL DEATHS	2 5.5	1 3.2	1 18.5	2 5.6	2 5.7					1 3.2	1 3.6	
INFANT DEATHS (Under one year of age)	6 16.4	6 19.2		5 14.0	5 14.2		11 19.3	10 18.7	1 28.6	3 9.5	1 3.6	2 52.6
Neonatal Deaths (Under 28 days of age)	2 5.5	2 6.4		4 11.2	4 11.4		8 14.1	7 13.1	1 28.6	2 6.3		2 52.6
Under 7 days of age	2	2		3	3		5	4	1	2		2
7-27 days of age				1	1		3	3				
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	286 11.3	242 10.8	44 15.1	305 11.2	299 11.2	6 10.4	375 9.4	358 9.5	17 8.3	220 10.2	206 10.2	14 9.5
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)												
Tuberculosis, all forms (010-019)	2 7.9	1 4.5	1				1 2.5	1 2.7				
of respiratory system (010-012)	2 7.9	1 4.5	1									
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)	2 7.9	2 8.9					3 7.6	3 8.0				
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)	1 4.0	1 4.5										
Malignant neoplasms (140-209)	50 197.6	38 169.8	12	61 223.4	57 213.3	4	78 196.5	76 201.9	2	35 162.0	32 159.0	3
Buccal cavity & pharynx (140-149)				2 7.3	2 7.5		2 5.0	2 5.3				
Digestive org. & peritoneum (150-159)	15 59.3	13 58.1	2	18 65.9	16 59.9	2	29 73.0	28 74.4	1	8 37.0	7 34.8	1
Respiratory system (160-163)	12 47.4	8 35.7	4	15 54.9	15 56.1		12 30.2	12 31.9		9 41.7	8 39.8	1
Breast (174)	4 15.8	2 8.9	2	2 7.3	2 7.5		8 20.2	8 21.3		4 18.5	4 19.9	
Female genital organs (180-184)	3 11.9	2 8.9	1	3 11.0	2 7.5	1	4 10.1	4 10.6		2 9.3	2 9.9	
Male genital organs (185-187)	3 11.9	3 13.4		4 14.7	4 15.0		5 12.6	4 10.6	1	1 4.6	1 5.0	
Urinary organs (188, 189)	2 7.9	1 4.5	1	3 11.0	3 11.2		1 2.5	1 2.7		1 4.6	1 5.0	
Other & unspecified sites (170-173, 190-199)	10 39.5	8 35.7	2	9 33.0	8 29.9	1	9 22.7	9 23.9		2 9.3	1 5.0	1
Lymphatic and hematopoietic tissue (200-209)	1 4.0	1 4.5	—	5 18.3	5 18.7		8 20.2	8 21.3		8 37.0	8 39.8	
Benign and unspecified neoplasms (210-239)	1 4.0	1 4.5										
Diabetes mellitus (250)	3 11.9	3 13.4		2 7.3	2 7.5		9 22.7	9 23.9		1 4.6	1 5.0	
Avitaminoses and other nutritional deficiencies (260-269)	2 7.9	1 4.5	1							1 4.6	1 5.0	
Anemias (280-285)	1 4.0	1 4.5		1 3.7	1 3.7							
Meningitis (320)												
Diseases of heart (390-398, 402, 404, 410-429)	89 351.8	82 366.4	7	132 483.5	132 494.0		127 319.9	118 313.5	9	106 490.7	100 496.9	6
Active rheumatic fever and chronic rheumatic heart disease (390-398)	4 15.8	4 17.9					3 7.6	3 8.0		1 4.6	1 5.0	
Hypertensive heart disease (402)	2 7.9	2 8.9		2 7.3	2 7.5							
Hypertensive heart & renal disease (404)				7 25.6	7 26.2							
Ischemic heart disease (410-414)	73 288.5	66 294.9	7	114 417.6	114 426.6		111 279.6	102 271.0	9	101 467.6	95 472.1	6
Other forms of heart disease (420-429)	10 39.5	10 44.7		9 33.0	9 33.7		13 32.7	13 34.5		4 18.5	4 19.9	
Hypertension (400, 401, 403)	3 11.9	2 8.9	1				3 7.6	3 8.0		2 9.3	2 9.9	
Cerebrovascular disease (430-438)	29 114.6	25 111.7	4	27 98.9	27 101.0		54 136.0	52 138.1	2	18 83.3	17 84.5	1
Arteriosclerosis (440)	7 27.7	6 26.8	1	2 7.3	2 7.5		3 7.6	3 8.0		1 4.6	1 5.0	
Other diseases of arteries, arterioles and capillaries (441-448)	5 19.8	4 17.9	1	3 11.0	3 11.2		5 12.6	5 13.3		5 23.1	5 24.8	
Acute bronchitis & bronchiolitis (466)												
Influenza (470-474)							2 5.0	2 5.3		1 4.6	1 5.0	
Pneumonia (480-486)	14 55.3	14 62.6		10 36.6	10 37.4		10 25.2	10 26.6		2 9.3	2 9.9	
Chronic & unqual. bronchitis (490, 491)	1 4.0	1 4.5		1 3.7	1 3.7					1 4.6	1 5.0	
Emphysema (492)	2 7.9	2 8.9		4 14.7	4 15.0		5 12.6	5 13.3				
Asthma (493)												
Peptic ulcer (531-533)	1 4.0	1 4.5					1 2.5	1 2.7				
Appendicitis (540-543)							1 2.5	1 2.7				
Hernia & intestinal obstruction (550-553, 560)				1 3.7	1 3.7		1 2.5	1 2.7		1 4.6	1 5.0	
Cirrhosis of liver (571)	5 19.8	5 22.3		5 18.3	5 18.7		3 7.6	3 8.0		1 4.6	1 5.0	
Cholelithiasis, cholecystitis and cholangitis (574, 575)							2 5.0	2 5.3				
Acute nephritis and nephrotic syndrome (580, 581)	2 7.9	2 8.9					1 2.5	1 2.7				
Chronic and unqual. nephritis and renal sclerosis (582-584)	4 15.8	3 13.4	1				3 7.6	3 8.0				
Infections of kidney (590)							1 2.5	1 2.7				
Hyperplasia of prostate (600)	1 4.0		1									
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)	2 7.9	2 8.9					6 15.1	6 15.9				
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	3 11.9	3 13.4		2 7.3	2 7.5		3 7.6	2 5.3	1	2 9.3		2
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)				2 7.3	2 7.5		1 2.5	1 2.7				
Symptoms & ill-defined conditions (780-796)	13 51.4	7 31.3	6	4 14.7	3 11.2	1	2 5.0	2 5.3				
All other diseases	22 87.0	17 76.0	5	18 65.9	17 63.6	1	19 47.9	18 47.8	1	9 41.7	9 44.7	
Motor vehicle accidents (810-823)	10 39.5	7 31.3	3	10 36.6	10 37.4		17 42.8	15 39.9	2	15 69.4	14 69.6	1
Other accidents (800-807, 825-949)	6 23.7	6 26.8		14 51.3	14 52.4		4 10.1	4 10.6		11 50.9	10 49.7	1
Suicide (950-959)	2 7.9	2 8.9		5 18.3	5 18.7		8 20.2	8 21.3		6 27.8	6 29.8	
Homicide (960-978)	2 7.9	2 8.9		1 3.7	1 3.7		2 5.0	2 5.3		1 4.6	1 5.0	
Other external causes (980-999)	1 4.0	1 4.5								1 4.6	1 5.0	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	MACON				MADISON						MARION						MARSHALL					
Estimated Population, July 1, 1978	TOTAL 15,000		WHITE 14,901		NONWHITE 99		TOTAL 71,300		WHITE 49,011		NONWHITE 22,289		TOTAL 23,400		WHITE 22,019		NONWHITE 1,381		TOTAL 18,300		WHITE 16,319		NONWHITE 1,981	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	215	14.3	214	14.4	1	10.1	1,113	15.6	701	14.3	412	18.5	321	13.7	309	14.0	12	8.7	247	13.5	211	12.9	36	18.2
In hospitals	211	....	210	....	1	....	1,107	....	697	....	410	....	308	....	296	....	12	....	244	....	208	....	36	....
Attended by physicians not in hospitals	1	....	1	....	....	....	3	....	1	....	2	....	13	....	13	....	....	....	....	....	....	....	....	....
Attended by midwives not in hospitals	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....
Attended by others or unspecified not in hospital	3	....	3	....	....	....	2	....	2	....	....	....	....	....	....	....	....	....	2	....	2	....	....	....
ILLEGITIMATE BIRTHS	14	6.5	14	6.5	....	....	246	22.1	30	4.3	216	52.4	24	7.5	20	6.5	4	33.3	35	14.2	12	5.7	23	63.9
LOW-WEIGHT BIRTHS (2500 grams or less)	16	7.4	16	7.5	....	....	81	7.3	33	4.7	48	11.7	30	9.3	29	9.4	1	8.3	25	10.1	19	9.0	6	16.7
FETAL DEATHS	2	9.3	2	9.3	....	....	10	9.0	5	7.1	5	12.1	7	21.8	7	22.7	....	....	7	28.3	7	33.2	....	....
INFANT DEATHS (Under one year of age)	2	9.3	2	9.3	....	....	13	11.7	3	4.3	10	24.3	3	9.3	2	6.5	1	83.3	5	20.2	3	14.2	2	55.6
Neonatal Deaths (Under 28 days of age)	1	4.7	1	4.7	....	....	9	8.1	3	4.3	6	14.6	2	6.2	1	3.2	1	83.3	4	16.2	2	9.5	2	55.6
Under 7 days of age	1	....	1	....	....	....	5	....	3	....	2	....	2	....	1	....	1	....	3	....	1	....	2	....
7-27 days of age	....	....	....	....	....	....	4	....	....	....	4	....	....	....	....	....	....	....	1	....	1	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	164	10.9	163	10.9	1	10.1	762	10.7	494	10.1	268	12.0	215	9.2	199	9.0	16	11.6	220	12.0	198	12.1	22	11.1
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	2	2.8	....	....	2	9.0	1	4.3	....	....	1	....	1	5.5	1	6.1	....	....
Tuberculosis, all forms (010-019)	1	6.7	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
of respiratory system (010-012)	1	6.7	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	....	....	....	....	....	....	4	5.6	1	2.0	3	13.5	....	....	....	....	....	....	1	5.5	1	6.1	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	1	6.7	1	6.7	....	....	3	4.2	1	2.0	2	9.0	1	4.3	....	....	1	....	....	....	....	....	....	....
Malignant neoplasms (140-209)	27	180.0	28	181.2	....	....	139	195.0	92	187.7	47	210.9	42	179.5	41	186.2	1	....	35	191.3	30	183.8	5	....
Buccal cavity & pharynx (140-149)	1	6.7	1	6.7	....	....	2	2.8	1	2.0	1	4.5	2	8.5	2	9.1	....	....	....	....	....	....	....	....
Digestive org. & peritoneum (150-159)	3	20.0	3	20.1	....	....	33	46.3	24	49.0	9	40.4	6	25.6	6	27.2	....	....	7	38.3	6	36.8	1	....
Respiratory system (160-163)	10	66.7	10	67.1	....	....	34	47.7	24	49.0	10	44.9	13	55.6	12	54.5	1	....	10	54.6	10	61.3	....	....
Breast (174)	1	6.7	1	6.7	....	....	14	19.6	8	16.3	6	26.9	3	12.8	3	13.6	....	....	2	10.9	2	12.3	....	....
Female genital organs (180-184)	3	20.0	3	20.1	....	....	6	8.4	3	6.1	3	13.5	2	8.5	2	9.1	....	....	....	....	....	....	....	....
Male genital organs (185-187)	2	13.3	2	13.4	....	....	7	9.8	2	4.1	5	22.4	3	12.8	3	13.6	....	....	7	38.3	5	30.6	2	....
Urinary organs (188, 189)	1	6.7	1	6.7	....	....	7	9.8	7	14.3	....	....	2	8.5	2	9.1	....	....	2	10.9	1	6.1	1	....
Other & unspecified sites (170-173, 190-199)	2	13.3	2	13.4	....	....	22	30.9	15	30.6	7	31.4	4	17.1	4	18.2	....	....	6	32.8	5	30.6	1	....
Lymphatic and hematopoietic tissue (200-209)	4	26.7	4	26.8	....	....	14	19.6	8	16.3	6	26.9	7	29.9	7	31.8	....	....	1	5.5	1	6.1	....	....
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diabetes mellitus (250)	2	13.3	2	13.4	....	....	9	12.6	5	10.2	4	17.9	1	4.3	1	4.5	....	....	4	21.9	4	24.5	....	....
Avitaminoses and other nutritional deficiencies (260-269)	....	....	....	....	....	....	2	2.8	....	....	2	9.0	....	....	....	....	....	....	....	....	....	....	....	....
Anemias (280-285)	....	....	....	....	....	....	1	1.4	....	....	1	4.5	1	4.3	1	4.5	....	....	1	5.5	1	6.1	....	....
Meningitis (320)	....	....	....	....	....	....	2	2.8	1	2.0	1	4.5	....	....	....	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	73	486.7	73	489.9	....	....	258	361.9	182	371.3	76	341.0	89	380.3	85	386.0	4	....	86	469.9	81	496.4	5	....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	....	....	....	....	....	....	5	7.0	3	6.1	2	9.0	1	4.3	1	4.5	....	....	....	....	....	....	....	....
Hypertensive heart disease (402)	1	6.7	1	6.7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	5.5	....	....	1	....
Hypertensive heart & renal disease (404)	1	6.7	1	6.7	....	....	1	1.4	1	2.0	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	66	440.0	66	442.9	....	....	237	332.4	170	346.9	67	300.6	82	350.4	78	354.2	4	....	81	442.6	77	471.8	4	....
Other forms of heart disease (420-429)	5	33.3	5	33.6	....	....	15	21.0	8	16.3	7	31.4	6	25.6	6	27.2	....	....	4	21.9	4	24.5	....	....
Hypertension (400, 401, 403)	....	....	....	....	....	....	2	2.8	1	2.0	1	4.5	....	....	....	....	....	....	....	....	....	....	....	....
Cerebrovascular disease (430-438)	19	126.7	19	127.5	....	....	141	197.8	86	175.5	55	246.8	21	89.7	17	77.2	4	....	19	103.8	15	91.9	4	....
Arteriosclerosis (440)	2	13.3	2	13.4	....	....	25	35.1	13	26.5	12	53.8	....	....	....	....	....	....	9	49.2	9	55.2	....	....
Other diseases of arteries, arterioles and capillaries (441-448)	3	20.0	3	20.1	....	....	8	11.2	8	16.3	....	....	....	....	....	....	....	....	4	21.9	4	24.5	....	....
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	1	1.4	....	....	1	4.5	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	....	....	....	....	....	....	1	1.4	1	2.0	....	....	1	4.3	1	4.5	....	....	....	....	....	....	....	....
Pneumonia (480-486)	6	40.0	6	40.3	....	....	10	14.0	8	16.3	2	9.0	2	8.5	1	4.5	1	....	7	38.3	7	42.9	....	....
Chronic & unqual. bronchitis (490, 491)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	5.5	....	....	1	....
Emphysema (492)	1	6.7	1	6.7	....	....	3	4.2	3	6.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Asthma (493)	....	....	....	....	....	....	2	2.8	....	....	2	9.0	....	....	....	....	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	1	6.7	1	6.7	....	....	1	1.4	1	2.0	....	....	1	4.3	1	4.5	....	....	1	5.5	1	6.1	....	....
Appendicitis (540-543)	....	....	....	....	....	....	1	1.4	....	....	1	4.5	....	....	....	....	....	....	....	....	....	....	....	....
Hernia & intestinal obstruction (550-553, 560)	1	6.7	1	6.7	....	....	2	2.8	1	2.0	1	4.5	1	4.3	1	4.5	....	....	....	....	....	....	....	....
Cirrhosis of liver (571)	1	6.7	1	6.7	....	....	12	16.8	11	22.4	1	4.5	4	17.1	4	18.2	....	....	1	5.5	1	6.1	....	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	....	....	....	....	....	....	4	5.6	2	4.1	2	9.0	....	....	....	....	....	....	1	5.5	1	6.1	....	....
Acute nephritis and nephrotic syndrome (580, 581)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	....	....	....	....	....	....	3	4.2	3	6.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Infections of kidney (590)	....	....	....	....	....	....	3	4.2	2	4.1	1	4.5	2	8.5	2	9.1	....	....	1	5.5	1	6.1	....	....
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	2	2.8	1	2.0	1	4.5	3	12.8	3	13.6	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	....	....	....	....	....	....	2	2.8	1	2.0	1	4.5	....	....	....	....	....	....	3	16.4	2	12.3	1	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	1	6.7	1	6.7	....	....	3	4.2	2	4.1	1	4.5	....	....	....	....	....	....	1	5.5	....	....	1	....
Symptoms & ill-defined conditions (780-796)	....	....	....	....	....	....	9	12.6	1	2.0	8	35.9	4	17.1	4	18.2	....	....	2	10.9	2	12.3	....	....
All other diseases	13	86.7	13	87.2	....	....	45	63.1	28	57.1	17	76.3	14	59.8	12	54.5	2	....	16	87.4	14	85.8	2	....
Motor vehicle accidents (810-823)	4	26.7	4	26.8	....	....	26	36.5	18	36.7	8	35.9	11	47.0	11	50.0	....	....	5	27.3	4	24.5	1	....
Other accidents (800-807, 825-949)	4	26.7	4	26.8	....	....	17	23.8	11	22.4	6	26.9	12	51.3	11	50.0	1	....	9	49.2	7	42.9	2	....
Suicide (950-959)	3	20.0	3	20.1	....	....	8	11.2	8	16.3	....	....	2	8.5	2	9.1	....	....	9	49.2	9	55.2	....	....
Homicide (960-978)	....	....	....	....	....	....	9	12.6	1	2.0	8	35.9	2	8.5	1	4.5	1	....	1	5.5	1	6.1	....	....
Other external causes (980-999)	1	6.7	1	6.7	....	....	2	2.8	1	2.0	1	4.5	....	....	....	....	....	....	2	10.9	2	12.3	....	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	MAURY						MEIGS						MONROE						MONTGOMERY					
Estimated Population, July 1, 1978	TOTAL 48,300		WHITE 39,315		NONWHITE 8,985		TOTAL 7,000		WHITE 6,751		NONWHITE 249		TOTAL 27,200		WHITE 26,157		NONWHITE 1,043		TOTAL 80,100		WHITE 66,062		NONWHITE 14,038	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	732	15.2	584	14.9	148	16.5	119	17.0	115	17.0	4	16.1	403	14.8	393	15.0	10	9.6	1,677	20.9	1,262	19.1	415	29.6
In hospitals	720	....	575	....	145	....	118	....	114	....	4	....	401	....	391	....	10	....	1,673	....	1,259	....	414	....
Attended by physicians not in hospitals	7	....	5	....	2	....	1	....	1	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....
Attended by midwives not in hospitals	2	....	1	....	1	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....
Attended by others or unspecified not in hospital	3	....	3	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	3	....	3	....	....	....
ILLEGITIMATE BIRTHS	132	18.0	45	7.7	87	58.8	10	8.4	9	7.8	1	....	28	6.9	24	6.1	4	40.0	192	11.4	79	6.3	113	27.2
LOW-WEIGHT BIRTHS (2500 grams or less)	60	8.2	35	6.0	25	16.9	14	11.8	14	12.2	....	....	21	5.2	20	5.1	1	10.0	98	5.8	57	4.5	41	9.9
FETAL DEATHS	5	6.8	2	3.4	3	20.3	1	8.4	1	8.7	....	....	3	7.4	3	7.6	....	....	17	10.1	9	7.1	8	19.3
INFANT DEATHS (Under one year of age)	6	8.2	5	8.6	1	6.8	3	25.2	3	26.1	....	....	8	19.9	8	20.4	....	....	15	8.9	10	7.9	5	12.0
Neonatal Deaths (Under 28 days of age)	4	5.5	4	6.8	....	....	2	16.8	2	17.4	....	....	4	9.9	4	10.2	....	....	8	4.8	5	4.0	3	7.2
Under 7 days of age	4	....	4	....	....	....	2	....	2	....	....	....	2	....	2	....	....	....	7	....	4	....	3	....
7-27 days of age	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	....	....	....	1	....	1	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)																			1	6.0	....	....	1	24.1
TOTAL DEATHS	445	9.2	355	9.0	90	10.0	48	6.9	48	7.1	....	....	263	9.7	256	9.8	7	6.7	456	5.7	349	5.3	107	7.6
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tuberculosis, all forms (010-019)	2	4.1	2	5.1	....	....	....	....	....	....	....	....	1	3.7	1	3.8	....	....	....	....	....	....	....	....
of respiratory system (010-012)	2	4.1	2	5.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2.5	2	3.0	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	....	....	....	....	....	....	1	14.3	1	14.8	....	....	....	....	....	....	....	....	1	1.2	1	1.5	....	....
Malignant neoplasms (140-209)	94	194.6	76	193.3	18	200.3	6	85.7	6	88.9	....	....	49	180.1	48	183.5	1	....	87	108.6	60	90.8	27	192.3
Buccal cavity & pharynx (140-149)	3	6.2	3	7.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1.2	1	1.5	....	....
Digestive org. & peritoneum (150-159)	17	35.2	13	33.1	4	44.5	1	14.3	1	14.8	....	....	10	36.8	10	38.2	....	....	27	33.7	18	27.2	9	64.1
Respiratory system (160-163)	26	53.8	19	48.3	7	77.9	1	14.3	1	14.8	....	....	21	77.2	20	76.5	1	....	19	23.7	13	19.7	6	42.7
Breast (174)	10	20.7	9	22.9	1	11.1	....	....	....	....	....	....	5	18.4	5	19.1	....	....	3	3.7	3	4.5	....	....
Female genital organs (180-184)	2	4.1	2	5.1	....	....	1	14.3	1	14.8	....	....	1	3.7	1	3.8	....	....	2	2.5	1	1.5	1	7.1
Male genital organs (185-187)	7	14.5	4	10.2	3	33.4	....	....	....	....	....	....	....	....	....	....	....	....	5	6.2	3	4.5	2	14.2
Urinary organs (188, 189)	....	....	....	....	....	....	1	14.3	1	14.8	....	....	1	3.7	1	3.8	....	....	4	5.0	2	3.0	2	14.2
Other & unspecified sites (170-173, 190-199)	19	39.3	18	45.8	1	11.1	2	28.6	2	29.6	....	....	6	22.1	6	22.9	....	....	11	13.7	8	12.1	3	21.4
Lymphatic and hematopoietic tissue (200-209)	10	20.7	8	20.3	2	22.3	....	....	....	....	....	....	5	18.4	5	19.1	....	....	15	18.7	11	16.7	4	28.5
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2.5	1	1.5	1	7.1
Diabetes mellitus (250)	5	10.4	2	5.1	3	33.4	2	28.6	2	29.6	....	....	5	18.4	5	19.1	....	....	6	7.5	4	6.1	2	14.2
Avitaminoses and other nutritional deficiencies (260-269)	2	4.1	2	5.1	....	....	1	14.3	1	14.8	....	....	2	7.4	2	7.6	....	....	1	1.2	1	1.5	....	....
Anemias (280-285)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1.2	1	1.5	....	....
Meningitis (320)	1	2.1	....	....	1	11.1	....	....	....	....	....	....	....	....	....	....	....	....	1	1.2	....	....	1	7.1
Diseases of heart (390-398, 402, 404, 410-429)	178	368.5	138	351.0	40	445.2	19	271.4	19	281.4	....	....	99	364.0	94	359.4	5	....	145	181.0	112	169.5	33	235.1
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1	2.1	1	2.5	....	....	1	14.3	1	14.8	....	....	....	....	....	....	....	....	2	2.5	1	1.5	1	7.1
Hypertensive heart disease (402)	3	6.2	3	7.6	....	....	....	....	....	....	....	....	1	3.7	1	3.8	....	....	1	1.2	1	1.5	....	....
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.7	1	3.8	....	....	1	1.2	1	1.5	....	....
Ischemic heart disease (410-414)	154	318.8	120	305.2	34	378.4	15	214.3	15	222.2	....	....	88	323.5	83	317.3	5	....	125	156.1	98	148.3	27	192.3
Other forms of heart disease (420-429)	20	41.4	14	35.6	6	66.8	3	42.9	3	44.4	....	....	9	33.1	9	34.4	....	....	16	20.0	11	16.7	5	35.6
Hypertension (400, 401, 403)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.7	1	3.8	....	....	2	2.5	....	....	2	14.2
Cerebrovascular disease (430-438)	45	93.2	39	99.2	6	66.8	2	28.6	2	29.6	....	....	25	91.9	25	95.6	....	....	58	72.4	43	65.1	15	106.9
Arteriosclerosis (440)	4	8.3	4	10.2	....	....	1	14.3	1	14.8	....	....	6	22.1	6	22.9	....	....	2	2.5	2	3.0	....	....
Other diseases of arteries, arterioles and capillaries (441-448)	8	16.6	5	12.7	3	33.4	1	14.3	1	14.8	....	....	....	....	....	....	....	....	6	7.5	6	9.1	....	....
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	3	6.2	3	7.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pneumonia (480-486)	9	18.6	8	20.3	1	11.1	2	28.6	2	29.6	....	....	7	25.7	7	26.8	....	....	13	16.2	11	16.7	2	14.2
Chronic & unqual. bronchitis (490, 491)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Emphysema (492)	2	4.1	2	5.1	....	....	....	....	....	....	....	....	3	11.0	3	11.5	....	....	10	12.5	10	15.1	....	....
Asthma (493)	....	....	....	....	....	....	....	....	....	....	....	....	2	7.4	2	7.6	....	....	1	1.2	1	1.5	....	....
Peptic ulcer (531-533)	2	4.1	2	5.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1.2	1	1.5	....	....
Appendicitis (540-543)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hernia & intestinal obstruction (550-553, 560)	1	2.1	....	....	1	11.1	....	....	....	....	....	....	1	3.7	1	3.8	....	....	2	2.5	2	3.0	....	....
Cirrhosis of liver (571)	2	4.1	2	5.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6	7.5	5	7.6	1	7.1
Cholelithiasis, cholecystitis and cholangitis (574, 575)	....	....	....	....	....	....	....	....	....	....	....	....	2	7.4	2	7.6	....	....	1	1.2	1	1.5	....	....
Acute nephritis and nephrotic syndrome (580, 581)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	1	2.1	....	....	1	11.1	....	....	....	....	....	....	4	14.7	4	15.3	....	....	....	....	....	....	....	....
Infections of kidney (590)	2	4.1	2	5.1	....	....	....	....	....	....	....	....	2	7.4	1	3.8	1	....	2	2.5	1	1.5	1	7.1
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1.2	1	1.5	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	6.0	....	....	1	24.1
Congenital anomalies (740-759)	3	6.2	3	7.6	....	....	....	....	....	....	....	....	2	7.4	2	7.6	....	....	4	5.0	4	6.1	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	2	4.1	2	5.1	....	....	1	14.3	1	14.8	....	....	2	7.4	2	7.6	....	....	5	6.2	3	4.5	2	14.2
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1.2	....	....	1	7.1
Symptoms & ill-defined conditions (780-796)	2	4.1	1	2.5	1	11.1	....	....	....	....	....	....	3	11.0	3	11.5	....	....	15	18.7	9	13.6	6	42.7
All other diseases	28	58.0	25	63.6	3	33.4	1	14.3	1	14.8	....	....	17	62.5	17	65.0	....	....	34	42.4	29	43.9	5	35.6
Motor vehicle accidents (810-823)	21	43.5	15	38.2	6	66.8	4	57.1	4	59.3	....	....	13	47.8	13	49.7	....	....	19	23.7	15	22.7	4	28.5
Other accidents (800-807, 825-949)	16	33.1	11	28.0	5	55.6	3	42.9	3	44.4	....	....	12	44.1	12	45.9	....	....	16	20.0	13	19.7	3	21.4
Suicide (950-959)	10	20.7	10	25.4	....	....	1	14.3	1	14.8	....	....	2	7.4	2	7.6	....	....	6	7.5	6	9.1	....	....
Homicide (960-978)	2	4.1	1	2.5	1	11.1	3	42.9	3	44.4	....	....	3	11.0	3	11.5	....	....	2	2.5	2	3.0	....	....
Other external causes (980-999)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2.5	2	3.0	....	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE 1978

	MOORE			MORGAN			OBION			OVERTON		
Estimated Population, July 1, 1978	TOTAL 4,000	WHITE 3,710	NONWHITE 290	TOTAL 15,900	WHITE 15,638	NONWHITE 262	TOTAL 34,000	WHITE 31,583	NONWHITE 2,417	TOTAL 17,200	WHITE 17,127	NONWHITE 73
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	58 14.5	55 14.8	3 10.3	235 14.8	235 15.0		459 13.5	406 12.9	53 21.9	214 12.4	213 12.4	1 13.7
In hospitals	57	54	3	233	233		458	406	52	210	209	1
Attended by physicians not in hospitals										1	1	
Attended by midwives not in hospitals	1	1		2	2		1		1	2	2	
Attended by others or unspecified not in hospital										1	1	
ILLEGITIMATE BIRTHS	5 8.6	3 5.5	2	17 7.2	17 7.2		44 9.6	23 5.7	21 39.6	27 12.6	26 12.2	1
LOW-WEIGHT BIRTHS (2500 grams or less)	3 5.2	3 5.5		14 6.0	14 6.0		33 7.2	30 7.4	3 5.7	12 5.6	12 5.6	
FETAL DEATHS				3 12.8	3 12.8		3 6.5	3 7.4		1 4.7	1 4.7	
INFANT DEATHS (Under one year of age)	2 34.5	2 36.4		5 21.3	5 21.3		8 17.4	7 17.2	1 18.9	1 4.7	1 4.7	
Neonatal Deaths (Under 28 days of age)	2 34.5	2 36.4		3 12.8	3 12.8		7 15.3	6 14.8	1 18.9	1 4.7	1 4.7	
Under 7 days of age	2	2		3	3		7	6	1	1	1	
7-27 days of age												
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	32 8.0	30 8.1	2 6.9	144 9.1	144 9.2		364 10.7	326 10.3	38 15.7	140 8.1	140 8.2	
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)												
Tuberculosis, all forms (010-019)							1 2.9	1 3.2				
of respiratory system (010-012)							1 2.9	1 3.2				
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)				1 6.3	1 6.4		2 5.9	1 3.2	1			
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)												
Malignant neoplasms (140-209)	9 225.0	9		23 144.7	23 147.1		71 208.8	66 209.0	5	23 133.7	23 134.3	
Buccal cavity & pharynx (140-149)							6 17.6	6 19.0				
Digestive org. & peritoneum (150-159)	1 25.0	1		4 25.2	4 25.6		18 52.9	15 47.5	3	7 40.7	7 40.9	
Respiratory system (160-163)	3 75.0	3		6 37.7	6 38.4		18 52.9	17 53.8	1	4 23.3	4 23.4	
Breast (174)				2 12.6	2 12.8		3 8.8	2 6.3	1	3 17.4	3 17.5	
Female genital organs (180-184)				2 12.6	2 12.8		1 2.9	1 3.2		2 11.6	2 11.7	
Male genital organs (185-187)				3 18.9	3 19.2		5 14.7	5 15.8		1 5.8	1 5.8	
Urinary organs (188, 189)	1 25.0			1 6.3	1 6.4		2 5.9	2 6.3		1 5.8	1 5.8	
Other & unspecified sites (170-173, 190-199)	3 75.0	3		4 25.2	4 25.6		9 26.5	9 28.5		3 17.4	3 17.5	
Lymphatic and hematopoietic tissue (200-209)	1 25.0	1		1 6.3	1 6.4		9 26.5	9 28.5		2 11.6	2 11.7	
Benign and unspecified neoplasms (210-239)												
Diabetes mellitus (250)							4 11.8	3 9.5	1	1 5.8	1 5.8	
Avitaminoses and other nutritional deficiencies (260-269)												
Anemias (280-285)										1 5.8	1 5.8	
Meningitis (320)												
Diseases of heart (390-398, 402, 404, 410-429)	10 250.0	10		57 358.5	57 364.5		139 408.8	128 405.3	11	65 377.9	65 379.5	
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1 25.0	1		1 6.3	1 6.4		2 5.9	2 6.3		2 11.6	2 11.7	
Hypertensive heart disease (402)												
Hypertensive heart & renal disease (404)							2 5.9	2 6.3				
Ischemic heart disease (410-414)	9 225.0	9		51 320.8	51 326.1		128 376.5	119 376.8	9	59 343.0	59 344.5	
Other forms of heart disease (420-429)				5 31.4	5 32.0		7 20.6	5 15.8	2	4 23.3	4 23.4	
Hypertension (400, 401, 403)												
Cerebrovascular disease (430-438)	6 150.0	6		10 62.9	10 63.9		42 123.5	36 114.0	6	15 87.2	15 87.6	
Arteriosclerosis (440)				2 12.6	2 12.8		13 38.2	11 34.8	2	1 5.8	1 5.8	
Other diseases of arteries, arterioles and capillaries (441-448)				1 6.3	1 6.4		7 20.6	5 15.8	2			
Acute bronchitis & bronchiolitis (466)							2 5.9	2 6.3				
Influenza (470-474)							2 5.9	2 6.3		1 5.8	1 5.8	
Pneumonia (480-486)	1 25.0	1		4 25.2	4 25.6		6 17.6	6 19.0		6 34.9	6 35.0	
Chronic & unqual. bronchitis (490, 491)				1 6.3	1 6.4							
Emphysema (492)				3 18.9	3 19.2		3 8.8	3 9.5				
Asthma (493)												
Peptic ulcer (531-533)							4 11.8	3 9.5	1			
Appendicitis (540-543)	1 25.0	1										
Hernia & intestinal obstruction (550-553, 560)							2 5.9	2 6.3				
Cirrhosis of liver (571)				1 6.3	1 6.4		6 17.6	6 19.0		1 5.8	1 5.8	
Cholelithiasis, cholecystitis and cholangitis (574, 575)							1 2.9	1 3.2		1 5.8	1 5.8	
Acute nephritis and nephrotic syndrome (580, 581)				1 6.3	1 6.4							
Chronic and unqual. nephritis and renal sclerosis (582-584)	1 25.0		1				1 2.9	1 3.2				
Infections of kidney (590)				1 6.3	1 6.4		1 2.9	1 3.2		3 17.4	3 17.5	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)				1 6.3	1 6.4		2 5.9	2 6.3				
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)				1 6.3	1 6.4		4 11.8	4 12.7				
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	2 50.0	2		2 12.6	2 12.8		1 2.9		1	1 5.8	1 5.8	
Symptoms & ill-defined conditions (780-796)				3 18.9	3 19.2		2 5.9	1 3.2	1			
All other diseases				14 88.1	14 89.5		25 73.5	20 63.3	5	10 58.1	10 58.4	
Motor vehicle accidents (810-823)	1 25.0		1	7 44.0	7 44.8		11 32.4	11 34.8		2 11.6	2 11.7	
Other accidents (800-807, 825-949)	1 25.0	1		4 25.2	4 25.6		7 20.6	6 19.0	1	6 34.9	6 35.0	
Suicide (950-959)				2 12.6	2 12.8		3 8.8	3 9.5		3 17.4	3 17.5	
Homicide (960-978)				5 31.4	5 32.0		1 2.9		1			
Other external causes (980-999)							1 2.9	1 3.2				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	PERRY			PICKETT			POLK			PUTNAM		
Estimated Population, July 1, 1978	TOTAL 6,200	WHITE 6,018	NONWHITE 182	TOTAL 4,400	WHITE 4,394	NONWHITE 6	TOTAL 13,200	WHITE 13,185	NONWHITE 15	TOTAL 41,900	WHITE 41,142	NONWHITE 758
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	78 12.6	74 12.3	4 22.0	57 13.0	57 13.0		202 15.3	202 15.3		571 13.7	554 13.5	19 25.1
In hospitals	73	69	4	57	57		202	202		571	553	18
Attended by physicians not in hospitals	4	4								1		1
Attended by midwives not in hospitals	1	1								1	1	
Attended by others or unspecified not in hospital												
ILLEGITIMATE BIRTHS	8 10.3	6 8.1	2	3 5.8	3 5.8		15 7.4	15 7.4		40 7.0	36 6.5	4 21.1
LOW-WEIGHT BIRTHS (2500 grams or less)	5 6.4	4 5.4	1	3 5.8	3 5.8		16 7.9	16 7.9		37 6.5	35 6.3	2 10.5
FETAL DEATHS				1 17.5	1 17.5		1 5.0	1 5.0		5 8.7	5 9.0	
INFANT DEATHS (Under one year of age)	2 25.6	1 13.5	1				4 19.8	4 19.8		8 14.0	7 12.6	1 52.6
Neonatal Deaths (Under 28 days of age)	2 25.6	1 13.5	1				3 14.9	3 14.9		5 8.7	4 7.2	1 52.6
Under 7 days of age	2	1	1				2	2		4	3	1
7-27 days of age							1	1		1	1	
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	60 9.7	56 9.3	4 22.0	25 5.7	25 5.7		132 10.0	132 10.0		388 9.3	380 9.2	8 10.6
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)												
Tuberculosis, all forms (010-019)	1 16.1	1 16.6								2 4.8	2 4.9	
of respiratory system (010-012)	1 16.1	1 16.6								2 4.8	2 4.9	
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)										1 2.4	1 2.4	
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)	1 16.1	1 16.6										
Malignant neoplasms (140-209)	14 225.8	14 232.6		7 159.1	7		24 181.8	24 182.0		70 167.1	70 170.1	
Buccal cavity & pharynx (140-149)	2 32.3	2 33.2										
Digestive org. & peritoneum (150-159)	3 48.4	3 49.9		2 45.5	2		3 22.7	3 22.8		8 19.1	8 19.4	
Respiratory system (160-163)	4 64.5	4 66.5		3 68.2	3		10 75.8	10 75.8		16 38.2	16 38.9	
Breast (174)	1 16.1	1 16.6					2 15.2	2 15.2		9 21.5	9 21.9	
Female genital organs (180-184)	1 16.1	1 16.6					3 22.7	3 22.8		5 11.9	5 12.2	
Male genital organs (185-187)				1 22.7	1					6 14.3	6 14.6	
Urinary organs (188, 189)	1 16.1	1 16.6					1 7.6	1 7.6		5 11.9	5 12.2	
Other & unspecified sites (170-173, 190-199)	1 16.1	1 16.6					5 37.9	5 37.9		12 28.6	12 29.2	
Lymphatic and hematopoietic tissue (200-209)	1 16.1	1 16.6		1 22.7	1					9 21.5	9 21.9	
Benign and unspecified neoplasms (210-239)												
Diabetes mellitus (250)				1 22.7	1		2 15.2	2 15.2		4 9.5	3 7.3	1
Avitaminoses and other nutritional deficiencies (260-269)												
Anemias (280-285)							1 7.6	1 7.6		1 2.4	1 2.4	
Meningitis (320)												
Diseases of heart (390-398, 402, 404, 410-429)	18 290.3	17 282.5	1	14 318.2	14		51 386.4	51 386.8		156 372.3	152 369.5	4
Active rheumatic fever and chronic rheumatic heart disease (390-398)										1 2.4	1 2.4	
Hypertensive heart disease (402)							1 7.6	1 7.6		1 2.4	1 2.4	
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	18 290.3	17 282.5	1	13 295.5	13		49 371.2	49 371.6		144 343.7	141 342.7	3
Other forms of heart disease (420-429)				1 22.7	1		1 7.6	1 7.6		10 23.9	9 21.9	1
Hypertension (400, 401, 403)												
Cerebrovascular disease (430-438)	3 48.4	3 49.9					17 128.8	17 128.9		44 105.0	43 104.5	1
Arteriosclerosis (440)	1 16.1	1 16.6								15 35.8	15 36.5	
Other diseases of arteries, arterioles, and capillaries (441-448)	1 16.1	1 16.6					2 15.2	2 15.2		6 14.3	6 14.6	
Acute bronchitis & bronchiolitis (466)												
Influenza (470-474)												
Pneumonia (480-486)	1 16.1	1 16.6					6 45.5	6 45.5		14 33.4	14 34.0	
Chronic & unqual. bronchitis (490, 491)							1 7.6	1 7.6		1 2.4	1 2.4	
Emphysema (492)										1 2.4	1 2.4	
Asthma (493)							1 7.6	1 7.6		1 2.4	1 2.4	
Peptic ulcer (531-533)	1 16.1	1 16.6								1 2.4	1 2.4	
Appendicitis (540-543)							1 7.6	1 7.6		1 2.4	1 2.4	
Hernia & intestinal obstruction (550-553, 560)										1 2.4	1 2.4	
Cirrhosis of liver (571)	1 16.1	1 16.6		1 22.7	1		1 7.6	1 7.6		1 2.4	1 2.4	
Cholelithiasis, cholecystitis and cholangitis (574, 575)												
Acute nephritis and nephrotic syndrome (580, 581)										2 4.8	2 4.9	
Chronic and unqual. nephritis and renal sclerosis (582-584)	1 16.1	1 16.6										
Infections of kidney (590)												
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)	1 16.1	1 16.6					2 15.2	2 15.2		1 2.4		1
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	1 16.1	1 16.6					1 7.6	1 7.6				
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	1 16.1		1				1 7.6	1 7.6		4 9.5	4 9.7	
Symptoms & ill-defined conditions (780-796)	3 48.4	3 49.9					2 15.2	2 15.2		4 9.5	4 9.7	
All other diseases	6 96.8	5 83.1	1	2 45.5	2		5 37.9	5 37.9		26 62.1	25 60.8	1
Motor vehicle accidents (810-823)							10 75.8	10 75.8		12 28.6	12 29.2	
Other accidents (800-807, 825-949)							1 7.6	1 7.6		11 26.3	11 26.7	
Suicide (950-959)	2 32.2	2 33.2					2 15.2	2 15.2		4 9.5	4 9.7	
Homicide (960-978)	1 16.1	1 16.6					1 7.6	1 7.6		2 4.8	2 4.9	
Other external causes (980-999)	2 32.3	1 16.6	1							2 4.8	2 4.9	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	RHEA						ROANE						ROBERTSON						RUTHERFORD					
Estimated Population, July 1, 1978	TOTAL 22,700		WHITE 21,892		NONWHITE 808		TOTAL 44,700		WHITE 42,787		NONWHITE 1,913		TOTAL 32,900		WHITE 27,642		NONWHITE 5,258		TOTAL 76,600		WHITE 67,247		NONWHITE 9,353	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	387	17.0	376	17.2	11	13.6	624	14.0	605	14.1	19	9.9	512	15.6	408	14.8	104	19.8	1,194	15.6	1,028	15.3	165	17.6
In hospitals	385	....	374	....	11	....	621	....	602	....	19	....	508	....	405	....	103	....	1,179	....	1,015	....	163	....
Attended by physicians not in hospitals	1	....	1	....	....	....	....	....	....	....	....	....	2	....	1	....	1	....	4	....	4	....	....	....
Attended by midwives not in hospitals	....	....	....	....	....	....	2	....	2	....	....	....	....	....	....	....	....	....	3	....	3	....	....	....
Attended by others or unspecified not in hospital	1	....	1	....	....	....	1	....	1	....	....	....	2	....	2	....	....	....	8	....	6	....	2	....
ILLEGITIMATE BIRTHS	40	10.3	37	9.8	3	27.3	57	9.1	49	8.1	8	42.1	71	13.9	19	4.7	52	50.0	163	13.7	73	7.1	90	54.5
LOW-WEIGHT BIRTHS (2500 grams or less)	21	5.4	20	5.3	1	9.1	57	9.1	54	8.9	3	15.8	39	7.6	29	7.1	10	9.6	77	6.4	58	5.6	19	11.5
FETAL DEATHS	6	15.5	6	16.0	....	....	2	3.2	2	3.3	....	....	4	7.8	3	7.4	1	9.6	13	10.9	12	9.7	3	18.2
INFANT DEATHS (Under one year of age)	7	18.1	7	18.6	....	....	10	16.0	8	13.2	2	105.3	6	11.7	4	9.8	2	19.2	16	13.4	14	13.6	2	12.1
Neonatal Deaths (Under 28 days of age)	6	15.5	6	16.0	....	....	6	9.6	4	6.6	2	105.3	4	7.8	3	7.4	1	9.6	10	8.4	8	7.8	2	12.1
Under 7 days of age	4	....	4	....	....	....	5	....	4	....	1	....	4	....	3	....	1	....	10	....	8	....	2	....
7-27 days of age	2	....	2	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	1	16.0	1	16.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	204	9.0	202	9.2	2	2.5	370	8.3	349	8.2	21	11.0	305	9.3	259	9.4	46	8.7	513	6.7	445	6.6	72	7.7
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	1	2.2	1	2.3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tuberculosis, all forms (010-019)	1	4.4	1	4.6	....	....	....	....	....	....	....	....	4	12.2	3	10.9	1	19.0	....	....	....	....	....	....
of respiratory system (010-012)	1	4.4	1	4.6	....	....	....	....	....	....	....	....	3	9.1	2	7.2	1	19.0	....	....	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	....	....	....	....	....	....	1	2.2	1	2.3	....	....	....	....	....	....	....	....	1	1.3	....	....	1	10.7
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	1	4.4	1	4.6	....	....	2	4.5	2	4.7	....	....	....	....	....	....	....	....	1	1.3	1	1.5	....	....
Malignant neoplasms (140-209)	35	154.2	35	159.9	....	....	79	176.7	74	172.9	5	....	50	152.0	45	162.8	5	95.1	102	133.2	92	136.8	10	106.9
Buccal cavity & pharynx (140-149)	2	8.8	2	9.1	....	....	2	4.5	2	4.7	....	....	1	3.0	1	3.6	....	....	1	1.3	1	1.5	....	....
Digestive org. & peritoneum (150-159)	8	35.2	8	36.5	....	....	23	51.5	21	49.1	2	....	9	27.4	8	28.9	1	19.0	20	26.1	19	28.3	1	10.7
Respiratory system (160-163)	8	35.2	8	36.5	....	....	21	47.0	19	44.4	2	....	14	42.6	13	47.0	1	19.0	21	27.4	19	28.3	2	21.4
Breast (174)	4	17.6	4	18.3	....	....	3	6.7	3	7.0	....	....	2	6.1	2	7.2	....	....	13	17.0	10	14.9	3	32.1
Female genital organs (180-184)	3	13.2	3	13.7	....	....	10	22.4	9	21.0	1	....	3	9.1	2	7.2	1	19.0	10	13.1	9	13.4	1	10.7
Male genital organs (185-187)	2	8.8	2	9.1	....	....	1	2.2	1	2.3	....	....	5	15.2	3	10.9	2	38.0	4	5.2	4	5.9	....	....
Urinary organs (188, 189)	1	4.4	1	4.6	....	....	7	15.7	7	16.4	....	....	1	3.0	1	3.6	....	....	7	9.1	7	10.4	....	....
Other & unspecified sites (170-173, 190-199)	4	17.6	4	18.3	....	....	6	13.4	6	14.0	....	....	8	24.3	8	28.9	....	....	15	19.6	14	20.8	1	10.7
Lymphatic and hematopoietic tissue (200-209)	3	13.2	3	13.7	....	....	6	13.4	6	14.0	....	....	7	21.3	7	25.3	....	....	11	14.4	9	13.4	2	21.4
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	3	6.7	3	7.0	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diabetes mellitus (250)	3	13.2	3	13.7	....	....	5	11.2	5	11.7	....	....	5	15.2	2	7.2	3	57.1	4	5.2	1	1.5	3	32.1
Avitaminoses and other nutritional deficiencies (260-269)	....	....	....	....	....	....	1	2.2	1	2.3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Anemias (280-285)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningitis (320)	....	....	....	....	....	....	1	2.2	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	75	330.4	74	338.0	1	....	148	331.1	141	329.5	7	....	115	349.5	100	361.8	15	285.3	169	220.6	143	212.6	26	278.0
Active rheumatic fever and chronic rheumatic heart disease (390-398)	....	....	....	....	....	....	1	2.2	1	2.3	....	....	1	3.0	1	3.6	....	....	4	5.2	4	5.9	....	....
Hypertensive heart disease (402)	....	....	....	....	....	....	....	....	....	....	....	....	3	9.1	3	10.9	....	....	....	....	....	....	....	....
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	1	2.2	1	2.3	....	....	1	3.0	1	3.6	....	....	1	1.3	1	1.5	....	....
Ischemic heart disease (410-414)	70	308.4	69	315.2	1	....	135	302.0	128	299.2	7	....	103	313.1	91	329.2	12	228.2	158	206.3	134	199.3	24	256.6
Other forms of heart disease (420-429)	5	22.0	5	22.8	....	....	11	24.6	11	25.7	....	....	7	21.3	4	14.5	3	57.1	6	7.8	4	5.9	2	21.4
Hypertension (400, 401, 403)	1	4.4	1	4.6	....	....	2	4.5	2	4.7	....	....	....	....	....	....	....	....	3	3.9	3	4.5	....	....
Cerebrovascular disease (430-438)	22	96.9	22	100.5	....	....	39	87.2	39	91.1	....	....	32	97.3	24	86.8	8	152.1	68	88.8	58	86.2	10	106.9
Arteriosclerosis (440)	5	22.0	5	22.8	....	....	2	4.5	2	4.7	....	....	14	42.6	14	50.6	....	....	5	6.5	4	5.9	1	10.7
Other diseases of arteries, arterioles and capillaries (441-448)	3	13.2	3	13.7	....	....	5	11.2	5	11.7	....	....	2	6.1	2	7.2	....	....	7	9.1	6	8.9	1	10.7
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	1	2.2	1	2.3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	2	8.8	2	9.1	....	....	2	4.5	1	2.3	1	....	....	....	....	....	....	....	2	2.6	2	3.0	....	....
Pneumonia (480-486)	6	26.4	5	22.8	1	....	7	15.7	7	16.4	....	....	9	27.4	7	25.3	2	38.0	16	20.9	15	22.3	1	10.7
Chronic & unqual. bronchitis (490, 491)	....	....	....	....	....	....	....	....	....	....	....	....	2	6.1	2	7.2	....	....	2	2.6	2	3.0	....	....
Emphysema (492)	1	4.4	1	4.6	....	....	1	2.2	1	2.3	....	....	5	15.2	5	18.1	....	....	9	11.7	8	11.9	1	10.7
Asthma (493)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	....	....	....	....	....	....	....	....	....	....	....	....	2	6.1	2	7.2	....	....	5	6.5	5	7.4	....	....
Appendicitis (540-543)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1.3	....	....	1	10.7
Hernia & intestinal obstruction (550-553, 560)	....	....	....	....	....	....	3	6.7	2	4.7	1	....	....	....	....	....	....	....	3	3.9	2	3.0	1	10.7
Cirrhosis of liver (571)	3	13.2	3	13.7	....	....	3	6.7	3	7.0	....	....	1	3.0	1	3.6	....	....	6	7.8	6	8.9	....	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	1	4.4	1	4.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1.3	1	1.5	....	....
Acute nephritis and nephrotic syndrome (580, 581)	....	....	....	....	....	....	1	2.2	1	2.3	....	....	1	3.0	1	3.6	....	....	1	1.3	1	1.5	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	....	....	....	....	....	....	....	....	....	....	....	....	1	3.0	....	....	1	19.0	1	1.3	....	....	1	10.7
Infections of kidney (590)	....	....	....	....	....	....	1	2.2	1	2.3	....	....	8	24.3	7	25.3	1	19.0	1	1.3	....	....	1	10.7
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2.6	1	1.5	1	10.7
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	1	16.0	1	16.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	1	4.4	1	4.6	....	....	2	4.5	2	4.7	....	....	3	9.1	3	10.9	....	....	3	3.9	3	4.5	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	2	8.8	2	9.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	3.9	2	3.0	1	10.7
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	2	8.8	2	9.1	....	....	4	8.9	2	4.7	2	....	4	12.2	3	10.9	1	19.0	7	9.1	6	8.9	1	10.7
Symptoms & ill-defined conditions (780-796)	1	4.4	1	4.6	....	....	10	22.4	9	21.0	1	....	1	3.0	1	3.6	....	....	2	2.6	2	3.0	....	....
All other diseases	21	92.5	21	95.9	....	....	20	44.7	20	46.7	....	....	10	30.4	7	25.3	3	57.1	38	49.6	32	47.6	6	64.2
Motor vehicle accidents (810-823)	8	35.2	8	36.5	....	....	9	20.1	8	18.7	1	....	12	36.5	10	36.2	2	38.0	18	23.5	18	26.8	....	....
Other accidents (800-807, 825-949)	4	17.6	4	18.3	....	....	9	20.1	9	21.0	....	....	8	24.3	8	28.9	....	....	14	18.3	13	19.3	1	10.7
Suicide (950-959)	5	22.0	5	22.8	....	....	2	4.5	2	4.7	....	....	9	27.4	8	28.9	1	19.0	10	13.1	9	13.4	1	10.7
Homicide (960-978)	1	4.4	1	4.6	....	....	3	6.7	1	2.3	2	....	6	18.2	3	10.9	3	57.1	7	9.1	5	7.4	2	21.4
Other external causes (980-999)	....	....	....	....	....	....	2	4.5	2	4.7	....	....	1	3.0	1	3.6	....	....	1	1.3	....	....	1	10.7

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

	SCOTT						SEQUATCHIE						SEVIER						SHELBY					
Estimated Population, July 1, 1978	TOTAL 17,800		WHITE 17,786		NONWHITE 14		TOTAL 7,700		WHITE 7,698		NONWHITE 2		TOTAL 37,000		WHITE 36,809		NONWHITE 191		TOTAL 754,500		WHITE 473,867		NONWHITE 280,633	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	346	19.4	345	19.4	....	....	139	18.1	139	18.1	....	....	574	15.5	573	15.6	1	5.2	13,112	17.4	5,997	12.7	7,114	25.3
In hospitals	332	....	331	....	....	....	135	....	135	....	....	....	566	....	565	....	1	....	12,905	....	5,973	....	6,932	....
Attended by physicians not in hospitals	....	....	....	....	....	....	3	....	3	....	....	....	....	....	....	....	....	....	196	....	14	....	182	....
Attended by midwives not in hospitals	14	....	14	....	....	....	1	....	1	....	....	....	6	....	6	....	....	....	....	....	....	....	....	....
Attended by others or unspecified not in hospital	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	....	....	....	11	....	10	....	....	....
ILLEGITIMATE BIRTHS	43	12.4	43	12.5	....	....	13	9.4	13	9.4	....	....	52	9.1	52	9.1	....	....	4,298	32.8	327	5.5	3,971	55.8
LOW-WEIGHT BIRTHS (2500 grams or less)	29	8.4	29	8.4	....	....	13	9.4	13	9.4	....	....	40	7.0	39	6.8	1	....	1,358	10.4	389	6.5	969	13.6
FETAL DEATHS	6	17.3	6	17.4	....	....	1	7.2	1	7.2	....	....	8	13.9	8	14.0	....	....	148	11.3	49	8.2	99	13.9
INFANT DEATHS (Under one year of age)	5	14.5	5	14.5	....	....	1	7.2	1	7.2	....	....	10	17.4	10	17.5	....	....	193	14.7	74	12.3	119	16.7
Neonatal Deaths (Under 28 days of age)	3	8.7	3	8.7	....	....	1	7.2	1	7.2	....	....	6	10.5	6	10.5	....	....	143	10.9	54	9.0	89	12.5
Under 7 days of age	2	....	2	....	....	....	....	....	....	....	....	....	5	....	5	....	....	....	123	....	47	....	76	....
7-27 days of age	1	....	1	....	....	....	1	....	1	....	....	....	1	....	1	....	....	....	20	....	7	....	13	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....	1	17.4	1	17.5	....	....	1	0.8	1	1.7	....	....
TOTAL DEATHS	184	10.3	184	10.3	....	....	57	7.4	57	7.4	....	....	302	8.2	300	8.2	2	10.5	6,165	8.2	3,450	7.3	2,715	9.7
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7	0.9	....	....	7	2.5
Tuberculosis, all forms (010-019)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	1	2.7	1	2.7	....	....	8	1.1	2	0.4	6	2.1
of respiratory system (010-012)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	1	2.7	1	2.7	....	....	6	0.8	1	0.2	5	1.8
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	0.1	1	0.2	....	....
Septicemia (038)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	58	7.7	18	3.8	40	14.3
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	0.1	1	0.2	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	1	5.6	1	5.6	....	....	1	13.0	1	13.0	....	....	1	2.7	1	2.7	....	....	17	2.3	5	1.1	12	4.3
Malignant neoplasms (140-209)	25	140.4	25	140.6	....	....	7	90.9	7	90.9	....	....	64	173.0	64	173.9	....	....	1,347	178.5	807	170.3	540	192.4
Buccal cavity & pharynx (140-149)	....	....	....	....	....	....	....	....	....	....	....	....	2	5.4	2	5.4	....	....	29	3.8	18	3.8	11	3.9
Digestive org. & peritoneum (150-159)	8	44.9	8	45.0	....	....	1	13.0	1	13.0	....	....	19	51.4	19	51.6	....	....	333	44.1	202	42.6	131	46.7
Respiratory system (160-163)	11	61.8	11	61.8	....	....	2	26.0	2	26.0	....	....	13	35.1	13	35.3	....	....	352	46.7	242	51.1	110	39.2
Breast (174)	3	16.9	3	16.9	....	....	....	....	....	....	....	....	4	10.8	4	10.9	....	....	123	16.3	75	15.8	48	17.1
Female genital organs (180-184)	1	5.6	1	5.6	....	....	1	13.0	1	13.0	....	....	2	5.4	2	5.4	....	....	75	9.9	43	9.1	32	11.4
Male genital organs (185-187)	....	....	....	....	....	....	....	....	....	....	....	....	9	24.3	9	24.5	....	....	79	10.5	31	6.5	48	17.1
Urinary organs (188, 189)	1	5.6	1	5.6	....	....	1	13.0	1	13.0	....	....	5	13.5	5	13.6	....	....	46	6.1	24	5.1	22	7.8
Other & unspecified sites (170-173, 190-199)	1	5.6	1	5.6	....	....	2	26.0	2	26.0	....	....	10	27.0	10	27.2	....	....	185	24.5	95	20.0	90	32.1
Lymphatic and hematopoietic tissue (200-209)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	125	16.6	77	16.2	48	17.1
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	14	1.9	6	1.3	8	2.9
Diabetes mellitus (250)	4	22.5	4	22.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	78	10.3	29	6.1	49	17.5
Avitaminoses and other nutritional deficiencies (260-269)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	8	1.1	4	0.8	4	1.4
Anemias (280-285)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	15	2.0	8	1.7	7	2.5
Meningitis (320)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	0.4	....	....	3	1.1
Diseases of heart (390-398, 402, 404, 410-429)	78	438.2	78	438.5	....	....	30	389.6	30	389.7	....	....	123	332.4	123	334.2	....	....	2,199	291.5	1,244	262.5	955	340.3
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	2	5.4	2	5.4	....	....	36	4.8	27	5.7	9	3.2
Hypertensive heart disease (402)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	17	2.3	4	0.8	13	4.6
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	69	387.6	69	387.9	....	....	28	363.6	28	363.7	....	....	112	302.7	112	304.3	....	....	1,992	264.0	1,138	240.2	854	304.3
Other forms of heart disease (420-429)	7	39.3	7	39.4	....	....	2	26.0	2	26.0	....	....	9	24.3	9	24.5	....	....	154	20.4	75	15.8	79	28.2
Hypertension (400, 401, 403)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	12	1.6	5	1.1	7	2.5
Cerebrovascular disease (430-438)	14	78.7	14	78.7	....	....	1	13.0	1	13.0	....	....	30	81.1	30	81.5	....	....	654	86.7	364	76.8	290	103.3
Arteriosclerosis (440)	2	11.2	2	11.2	....	....	1	13.0	1	13.0	....	....	....	....	....	....	....	....	77	10.2	42	8.9	35	12.5
Other diseases of arteries, arterioles and capillaries (441-448)	....	....	....	....	....	....	....	....	....	....	....	....	6	16.2	6	16.3	....	....	74	9.8	48	10.1	26	9.3
Acute bronchitis & bronchiolitis (466)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4	0.5	2	0.4	2	0.7
Influenza (470-474)	....	....	....	....	....	....	....	....	....	....	....	....	1	2.7	1	2.7	....	....	4	0.5	4	0.8	....	....
Pneumonia (480-486)	9	50.6	9	50.6	....	....	2	26.0	2	26.0	....	....	10	27.0	10	27.2	....	....	152	20.1	89	18.8	63	22.4
Chronic & unqual. bronchitis (490, 491)	1	5.6	1	5.6	....	....	1	13.0	1	13.0	....	....	....	....	....	....	....	....	18	2.4	15	3.2	3	1.1
Emphysema (492)	4	22.5	4	22.5	....	....	....	....	....	....	....	....	2	5.4	2	5.4	....	....	24	3.2	21	4.4	3	1.1
Asthma (493)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6	0.8	2	0.4	4	1.4
Peptic ulcer (531-533)	1	5.6	1	5.6	....	....	1	13.0	1	13.0	....	....	....	....	....	....	....	....	14	1.9	10	2.1	4	1.4
Appendicitis (540-543)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	0.3	....	....	2	0.7
Hernia & intestinal obstruction (550-553, 560)	....	....	....	....	....	....	1	13.0	1	13.0	....	....	1	2.7	1	2.7	....	....	19	2.5	11	2.3	8	2.9
Cirrhosis of liver (571)	3	16.9	3	16.9	....	....	1	13.0	1	13.0	....	....	....	....	....	....	....	....	80	10.6	53	11.2	27	9.6
Cholelithiasis, cholecystitis and cholangitis (574, 575)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	10	1.3	7	1.5	3	1.1
Acute nephritis and nephrotic syndrome (580, 581)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	10	1.3	3	0.6	7	2.5
Chronic and unqual. nephritis and renal sclerosis (582-584)	2	11.2	2	11.2	....	....	....	....	....	....	....	....	1	2.7	1	2.7	....	....	37	4.9	8	1.7	29	10.3
Infections of kidney (590)	....	....	....	....	....	....	....	....	....	....	....	....	1	2.7	1	2.7	....	....	12	1.6	7	1.5	5	1.8
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	0.3	....	....	2	0.7
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....	1	17.4	1	17.5	....	....	1	0.8	1	1.7	....	....
Congenital anomalies (740-759)	2	11.2	2	11.2	....	....	....	....	....	....	....	....	2	5.4	2	5.4	....	....	58	7.7	31	6.5	27	9.6
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	....	....	....	....	....	....	....	....	....	....	....	....	3	8.1	3	8.2	....	....	40	5.3	14	3.0	26	9.3
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	2	11.2	2	11.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	52	6.9	16	3.4	36	12.8
Symptoms & ill-defined conditions (780-796)	1	5.6	1	5.6	....	....	....	....	....	....	....	....	5	13.5	5	13.6	....	....	37	4.9	17	3.6	20	7.1
All other diseases	12	67.4	12	67.5	....	....	3	39.0	3	39.0	....	....	11	29.7	11	29.9	....	....	509	67.5	293	61.8	216	77.0
Motor vehicle accidents (810-823)	3	16.9	3	16.9	....	....	2	26.0	2	26.0	....	....	11	29.7	11	29.9	....	....	156	20.7	90	19.0	66	23.5
Other accidents (800-807, 825-949)	10	56.2	10	56.2	....	....	4	51.9	4	52.0	....	....	20	54.1	19	51.6	1	....	149	19.7	87	18.4	62	22.1
Suicide (950-959)	1	5.6	1	5.6	....	....	2	26.0	2	26.0	....	....	7	18.9	6	16.3	1	....	68	9.0	56	11.8	12	4.3
Homicide (960-978)	3	16.9	3	16.9	....	....	....	....	....	....	....	....	1	2.7	1	2.7	....	....	125	16.6	27	5.7	98	34.9
Other external causes (980-999)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	0.4	2	0.4	1	0.4

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE 1978

	SMITH			STEWART			SULLIVAN			SUMNER		
Estimated Population, July 1, 1978	TOTAL 14,100	WHITE 13,385	NONWHITE 715	TOTAL 9,300	WHITE 9,066	NONWHITE 234	TOTAL 138,500	WHITE 135,656	NONWHITE 2,844	TOTAL 78,000	WHITE 72,040	NONWHITE 5,960
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	179 12.7	174 13.0	5 7.0	97 10.4	93 10.3	4 17.1	1,696 12.2	1,654 12.2	42 14.8	1,301 16.7	1,215 16.9	86 14.4
In hospitals	178	173	5	97	93	4	1,694	1,652	42	1,299	1,213	86
Attended by physicians not in hospitals							1	1		1	1	
Attended by midwives not in hospitals										1	1	
Attended by others or unspecified not in hospital	1	1					1	1				
ILLEGITIMATE BIRTHS	14 7.8	13 7.5	1	6 6.2	4 4.3	2	142 8.4	124 7.5	18 42.9	118 9.1	74 6.1	44 51.2
LOW-WEIGHT BIRTHS (2500 grams or less)	10 5.6	10 5.7		5 5.2	5 5.4		117 6.9	112 6.8	5 11.9	85 6.5	76 6.3	9 10.5
FETAL DEATHS							20 11.8	17 10.3	3 71.4	7 5.4	5 4.1	2 23.3
INFANT DEATHS (Under one year of age)	3 16.8	3 17.2					26 15.3	26 15.7		18 13.8	16 13.2	2 23.3
Neonatal Deaths (Under 28 days of age)	3 16.8	3 17.2					20 11.8	20 12.1		11 8.5	11 9.1	
Under 7 days of age	2	2					16	16		10	10	
7-27 days of age	1	1					4	4		1	1	
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	157 11.1	153 11.4	4 5.6	83 8.9	82 9.0	1 4.3	1,082 7.8	1,055 7.8	27 9.5	544 7.0	494 6.9	50 8.4
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)												
Tuberculosis, all forms (010-019)				1 10.8	1 11.0		4 2.9	4 2.9		1 1.3	1 1.4	
of respiratory system (010-012)							4 2.9	4 2.9		1 1.3	1 1.4	
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)										1 1.3	1 1.4	
Acute poliomyelitis (040-043)	1 7.1	1 7.5					1 0.7	1 0.7				
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)							3 2.2	3 2.2				
Malignant neoplasms (140-209)	31 219.9	30 224.1	1	16 172.0	16 176.5		237 171.1	230 169.5	7	91 116.7	87 120.8	4 67.1
Buccal cavity & pharynx (140-149)							1 0.7	1 0.7				
Digestive org. & peritoneum (150-159)	6 42.6	6 44.8		5 53.8	5 55.2		46 33.2	45 33.2	1	17 21.8	16 22.2	1 16.8
Respiratory system (160-163)	10 70.9	9 67.2	1	4 43.0	4 44.1		64 46.2	63 46.4	1	28 35.9	27 37.5	1 16.8
Breast (174)	3 21.3	3 22.4		1 10.8	1 11.0		27 19.5	24 17.7	3	6 7.7	6 8.3	
Female genital organs (180-184)	3 21.3	3 22.4					14 10.1	14 10.3		5 6.4	5 6.9	
Male genital organs (185-187)							12 8.7	11 8.1	1	3 3.8	2 2.8	1 16.8
Urinary organs (188, 189)	2 14.2	2 14.9					17 12.3	16 11.8	1	8 10.3	8 11.1	
Other & unspecified sites (170-173, 190-199)	2 14.2	2 14.9		3 32.3	3 33.1		33 23.8	33 24.3		13 16.7	13 18.0	
Lymphatic and hematopoietic tissue (200-209)	5 35.5	5 37.4		3 32.3	3 33.1		23 16.6	23 17.0		11 14.1	10 13.9	1 16.8
Benign and unspecified neoplasms (210-239)							1 0.7	1 0.7		1 1.3	1 1.4	
Diabetes mellitus (250)	3 21.3	3 22.4					16 11.6	15 11.1	1	3 3.8	3 4.2	
Avitaminoses and other nutritional deficiencies (260-269)										2 2.6	2 2.8	
Anemias (280-285)	1 7.1	1 7.5					1 0.7	1 0.7		1 1.3	1 1.4	
Meningitis (320)												
Diseases of heart (390-398, 402, 404, 410-429)	69 489.4	68 508.0	1	34 365.6	34 375.0		402 290.3	390 287.5	12	207 265.4	191 265.1	16 268.5
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1 7.1	1 7.5					2 1.4	2 1.5		1 1.3		1 16.8
Hypertensive heart disease (402)							2 1.4	2 1.5				
Hypertensive heart & renal disease (404)										1 1.3	1 1.4	
Ischemic heart disease (410-414)	63 446.8	62 463.2	1	32 344.1	32 353.0		380 274.4	370 272.7	10	191 244.9	176 244.3	15 251.7
Other forms of heart disease (420-429)	5 35.5	5 37.4		2 21.5	2 22.1		18 13.0	16 11.8	2	14 17.9	14 19.4	
Hypertension (400, 401, 403)							5 3.6	5 3.7		3 3.8	2 2.8	1 16.8
Cerebrovascular disease (430-438)	15 106.4	14 104.6	1	13 139.8	12 132.4	1	93 67.1	91 67.1	2	53 67.9	41 56.9	12 201.3
Arteriosclerosis (440)	3 21.3	3 22.4					16 11.6	16 11.8		11 14.1	9 12.5	2 33.6
Other diseases of arteries, arteriole- and capillaries (441-448)				2 21.5	2 22.1		21 15.2	20 14.7	1	8 10.3	6 8.3	2 33.6
Acute bronchitis & bronchiolitis (466)												
Influenza (470-474)							2 1.4	2 1.5				
Pneumonia (480-486)	6 42.6	6 44.8		1 10.8	1 11.0		36 26.0	35 25.8	1	17 21.8	17 23.6	
Chronic & unqual. bronchitis (490, 491)							2 1.4	2 1.5		1 1.3	1 1.4	
Emphysema (492)	1 7.1	1 7.5		1 10.8	1 11.0		6 4.3	6 4.4		6 7.7	6 8.3	
Asthma (493)							1 0.7	1 0.7		1 1.3	1 1.4	
Peptic ulcer (531-533)							1 0.7	1 0.7		2 2.6	2 2.8	
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)	1 7.1	1 7.5					3 2.2	3 2.2		5 6.4	5 6.9	
Cirrhosis of liver (571)							12 8.7	12 8.9		4 5.1	4 5.6	
Cholelithiasis, cholecystitis and cholangitis (574, 575)							4 2.9	4 2.9		2 2.6	2 2.8	
Acute nephritis and nephrotic syndrome (580, 581)							1 0.7	1 0.7				
Chronic and unqual. nephritis and renal sclerosis (582-584)	1 7.1	1 7.5					9 6.5	8 5.9	1	4 5.1	4 5.6	
Infections of kidney (590)							1 0.7	1 0.7		1 1.3	1 1.4	
Hyperplasia of prostate (600)				1 10.8	1 11.0							
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)	1 7.1	1 7.5					9 6.5	9 6.6		6 7.7	6 8.3	
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	2 14.2	2 14.9					9 6.5	9 6.6		4 5.1	4 5.6	
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774-775, 777, 778)	1 7.1	1 7.5					4 2.9	4 2.9		3 3.8	3 4.2	
Symptoms & ill-defined conditions (780-796)	2 14.2	2 14.9		8 86.0	8 88.2		6 4.3	6 4.4		10 12.8	8 11.1	2 33.6
All other diseases	9 63.8	8 59.8	1	6 64.5	6 66.2		67 48.4	66 48.7	1	38 48.7	36 50.0	2 33.6
Motor vehicle accidents (810-823)	3 21.3	3 22.4					41 29.6	41 30.2		25 32.1	25 34.7	
Other accidents (800-807, 825-949)	1 7.1	1 7.5					30 21.7	30 22.1		17 21.8	9 12.5	8 134.2
Suicide (950-959)	2 14.2	2 14.9					23 16.6	23 17.0		11 14.1	11 15.3	
Homicide (960-978)	2 14.2	2 14.9					10 7.2	9 6.6	1	3 3.8	2 2.8	1 16.8
Other external causes (980-999)	2 14.2	2 14.9					5 3.6	5 3.7		2 2.6	2 2.8	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE 1978

	HIPTON						HOUSDALE						UNICOI						UNION					
Estimated Population, July 1, 1978	TOTAL 32,100		WHITE 21,652		NONWHITE 10,448		TOTAL 5,600		WHITE 4,585		NONWHITE 1,015		TOTAL 15,700		WHITE 15,679		NONWHITE 21		TOTAL 11,900		WHITE 11,895		NONWHITE 5	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	568	17.7	358	16.5	210	20.1	98	17.5	81	17.7	17	16.7	195	12.4	194	12.4	1	47.6	169	14.2	169	14.2		
In hospitals	563		356		207		97		80		17		194		193		1		168		168			
Attended by physicians not in hospitals	3		1		2		1		1															
Attended by midwives not in hospitals	2		1		1																			
Attended by others or unspecified not in hospital													1		1				1		1			
ILLEGITIMATE BIRTHS	138	24.3	20	5.6	118	56.2	8	8.2	2	2.5	6	35.3	14	7.2	14	7.2			12	7.1	12	7.1		
LOW-WEIGHT BIRTHS (2500 grams or less)	63	11.1	26	7.3	37	17.6	7	7.1	5	6.2	2	11.8	13	6.7	13	6.7			11	6.5	11	6.5		
FETAL DEATHS	9	15.8	5	14.0	4	19.0	1	10.2	1	12.3			2	10.3	2	10.3			3	17.8	3	17.8		
INFANT DEATHS (Under one year of age)	16	28.2	6	16.8	10	47.6	1	10.2	1	12.3			2	10.3	2	10.3			2	11.8	2	11.8		
Neonatal Deaths (Under 28 days of age)	13	22.9	4	11.2	9	42.9	1	10.2	1	12.3			2	10.3	2	10.3								
Under 7 days of age	10		2		8		1		1				1		1									
7-27 days of age	3		2		1								1		1									
MATERNAL DEATHS (ICDA codes 630-678)																								
TOTAL DEATHS	294	9.2	206	9.5	88	8.4	67	12.0	57	12.4	10	9.9	160	10.2	160	10.2			105	8.8	105	8.8		
CAUSE OF DEATH																								
Typhoid fever (001)																								
Bacillary dysentery and amebiasis (004, 006)																								
Enteritis & other diarrheal diseases (008, 009)	1	3.1			1	9.6																		
Tuberculosis, all forms (010-019)																								
of respiratory system (010-012)																								
Diphtheria (032)																								
Whooping cough (033)																								
Strep. sore throat & scarlet fever (034)																								
Meningococcal infection (036)																								
Septicemia (038)																								
Acute poliomyelitis (040-043)																								
Measles (055)																								
Viral encephalitis (062-065)																								
Rocky Mtn. spotted fever (082.0)																								
Syphilis & its sequelae (090-097)																								
Other infective & parasitic diseases (remainder of 000-136)	2	6.2	2	9.2									1	6.4	1	6.4								
Malignant neoplasms (140-209)	54	168.2	41	189.4	13	124.4	12	214.3	8		4		29	184.7	29	185.0			19	159.7	19	159.7		
Buccal cavity & pharynx (140-149)	1	3.1			1	9.6																		
Digestive org. & peritoneum (150-159)	19	59.2	14	64.7	5	47.9	1	17.9	1				9	57.3	9	57.4			5	42.0	5	42.0		
Respiratory system (160-163)	14	43.6	12	55.4	2	19.1	4	71.4	3		1		6	38.2	6	38.3			5	42.0	5	42.0		
Breast (174)	3	9.3	2	9.2	1	9.6	1	17.9	1				1	6.4	1	6.4			2	16.8	2	16.8		
Female genital organs (180-184)							3	53.6	3										2	16.8	2	16.8		
Male genital organs (185-187)	3	9.3	2	9.2	1	9.6	2	35.7			2		4	25.5	4	25.5								
Urinary organs (188, 189)	4	12.5	3	13.9	1	9.6							1	6.4	1	6.4			1	8.4	1	8.4		
Other & unspecified sites (170-173, 190-199)	5	15.6	5	23.1									3	19.1	3	19.1			1	8.4	1	8.4		
Lymphatic and hematopoietic tissue (200-209)	5	15.6	3	13.9	2	19.1	1	17.9			1		5	31.8	5	31.9			3	25.2	3	25.2		
Benign and unspecified neoplasms (210-239)	1	3.1	1	4.6																				
Diabetes mellitus (250)	1	3.1	1	4.6			2	35.7	2				1	6.4	1	6.4			1	8.4	1	8.4		
Avitaminoses and other nutritional deficiencies (260-269)																								
Anemias (280-285)																								
Meningitis (320)																								
Diseases of heart (390-398, 402, 404, 410-429)	111	345.8	85	392.6	26	248.9	22	392.9	22				61	388.5	61	389.1			27	226.9	27	227.0		
Active rheumatic fever and chronic rheumatic heart disease (390-398)	2	6.2	2	9.2									2	12.7	2	12.8								
Hypertensive heart disease (402)																			1	8.4	1	8.4		
Hypertensive heart & renal disease (404)	3	9.3	3	13.9			1	17.9	1															
Ischemic heart disease (410-414)	92	286.6	73	337.2	19	181.9	18	321.4	18				55	350.3	55	350.8			20	168.1	20	168.1		
Other forms of heart disease (420-429)	14	43.6	7	32.3	7	67.0	3	53.6	3				4	25.5	4	25.5			6	50.4	6	50.4		
Hypertension (400, 401, 403)	1	3.1			1	9.6													2	16.8	2	16.8		
Cerebrovascular disease (430-438)	38	118.4	26	120.1	12	114.9	10	178.6	9		1		22	140.1	22	140.3			9	75.6	9	75.7		
Arteriosclerosis (440)	3	9.3	3	13.9			1	17.9			1		1	6.4	1	6.4			2	16.8	2	16.8		
Other diseases of arteries, arterioles, and capillaries (441-448)	2	6.2	2	9.2			1	17.9	1										2	16.8	2	16.8		
Acute bronchitis & bronchiolitis (466)													1	6.4	1	6.4								
Influenza (470-474)																								
Pneumonia (480-486)	10	31.2	8	36.9	2	19.1	1	17.9	1				6	38.2	6	38.3			9	75.6	9	75.7		
Chronic & unqual. bronchitis (490, 491)													1	6.4	1	6.4								
Emphysema (492)							1	17.9			1		1	6.4	1	6.4			2	16.8	2	16.8		
Asthma (493)	1	3.1	1	4.6																				
Peptic ulcer (531-533)							1	17.9	1										1	8.4	1	8.4		
Appendicitis (540-543)																			1	8.4	1	8.4		
Hernia & intestinal obstruction (550-553, 560)	1	3.1	1	4.6									2	12.7	2	12.8								
Cirrhosis of liver (571)	1	3.1	1	4.6			1	17.9	1										1	8.4	1	8.4		
Cholelithiasis, cholecystitis and cholangitis (574, 575)							1	17.9	1				2	12.7	2	12.8			1	8.4	1	8.4		
Acute nephritis and nephrotic syndrome (580, 581)																								
Chronic and unqual. nephritis and renal sclerosis (582-584)	1	3.1			1	9.6													1	8.4	1	8.4		
Infections of kidney (590)																								
Hyperplasia of prostate (600)																								
Complications of pregnancy, childbirth and the puerperium (630-678)																								
Congenital anomalies (740-759)	4	12.5	2	9.2	2	19.1																		
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	2	6.2			2	19.1	1	17.9	1				1	6.4	1	6.4								
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774-775, 777, 778)	7	21.8	2	9.2	5	47.9							1	6.4	1	6.4								
Symptoms & ill-defined conditions (780-796)	4	12.5			4	38.3	1	17.9	1				2	12.7	2	12.8			7	58.8	7	58.8		
All other diseases	21	65.4	14	64.7	7	67.0	5	89.3	4		1		11	70.1	11	70.2			5	42.0	5	42.0		
Motor vehicle accidents (810-823)	12	37.4	6	27.7	6	57.4	4	71.4	4				9	57.3	9	57.4			7	58.8	7	58.8		
Other accidents (800-807, 825-949)	12	37.4	7	32.3	5	47.9	2	35.7	1		1		3	19.1	3	19.1			5	42.0	5	42.0		
Suicide (950-959)	2	6.2	2	9.2									4	25.5	4	25.5			1	8.4	1	8.4		
Homicide (960-978)	2	6.2	1	4.6	1	9.6							1	6.4	1	6.4			2	16.8	2	16.8		
Other external causes (980-999)							1	17.9			1													

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1978

Estimated Population, July 1, 1978	VAN BUREN			WARREN			WASHINGTON			WAYNE		
	TOTAL 4,300	WHITE 4,287	NONWHITE 13	TOTAL 31,300	WHITE 29,881	NONWHITE 1,419	TOTAL 83,000	WHITE 79,679	NONWHITE 3,321	TOTAL 13,500	WHITE 13,266	NONWHITE 234
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	79 18.4	77 18.0	2 153.8	487 15.6	466 15.6	21 14.8	1,087 13.1	1,043 13.1	44 13.2	198 14.7	192 14.5	6 25.6
In hospitals	75	73	2	482	461	21	1,080	1,036	44	193	187	6
Attended by physicians not in hospitals	4	4		5	5							
Attended by midwives not in hospitals							6	6		1	1	
Attended by others or unspecified not in hospital							1	1		4	4	
ILLEGITIMATE BIRTHS	9 11.4	9 11.7		30 6.2	18 3.9	12 57.1	109 10.0	85 8.1	24 54.5	17 8.6	13 6.8	4
LOW-WEIGHT BIRTHS (2500 grams or less)	8 10.1	8 10.4		32 6.6	29 6.2	3 14.3	78 7.2	76 7.3	2 4.5	15 7.6	15 7.8	
FETAL DEATHS				5 10.3	5 10.7		7 6.4	7 6.7		3 15.2	3 15.6	
INFANT DEATHS (Under one year of age)	1 12.7	1 13.0		4 8.2	4 8.6		19 17.5	19 18.2		5 25.3	5 26.0	
Neonatal Deaths (Under 28 days of age)	1 12.7	1 13.0		2 4.1	2 4.3		15 13.8	15 14.4		5 25.3	5 26.0	
Under 7 days of age	1	1		2	2		14	14		4	4	
7-27 days of age							1	1		1	1	
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	45 10.5	45 10.5		279 8.9	268 9.0	11 7.8	706 8.5	669 8.4	37 11.1	132 9.8	127 9.6	5 21.4
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)												
Tuberculosis, all forms (010-019)				2 6.4	1 3.3	1						
of respiratory system (010-012)				2 6.4	1 3.3	1						
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)	1 23.3	1		1 3.2	1 3.3					1 7.4	1 7.5	
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)												
Malignant neoplasms (140-209)	7 162.8	7		48 153.4	47 157.3	1	139 167.5	136 170.7	3	25 185.2	25 188.5	
Buccal cavity & pharynx (140-149)							3 3.6	3 3.8		1 7.4	1 7.5	
Digestive org. & peritoneum (150-159)				9 28.8	9 30.1		39 47.0	38 47.7	1	3 22.2	3 22.6	
Respiratory system (160-163)	3 69.8	3		10 31.9	10 33.5		40 48.2	39 48.9	1	7 51.9	7 52.8	
Breast (174)				3 9.6	2 6.7	1	14 16.9	13 16.3	1	1 7.4	1 7.5	
Female genital organs (180-184)	2 46.5	2		1 3.2	1 3.3		9 10.8	9 11.3		2 14.8	2 15.1	
Male genital organs (185-187)	1 23.3	1		5 16.0	5 16.7		7 8.4	7 8.8		1 7.4	1 7.5	
Urinary organs (188, 189)	1 23.3	1		1 3.2	1 3.3		4 4.8	4 5.0		3 22.2	3 22.6	
Other & unspecified sites (170-173, 190-199)				12 38.3	12 40.2		16 19.3	16 20.1		3 22.2	3 22.6	
Lymphatic and hematopoietic tissue (200-209)				7 22.4	7 23.4		7 8.4	7 8.8		4 29.6	4 30.2	
Benign and unspecified neoplasms (210-239)				1 3.2	1 3.3		3 3.6	3 3.8				
Diabetes mellitus (250)	1 23.3	1		4 12.8	4 13.4		6 7.2	6 7.5		2 14.8	1 7.5	1
Avitaminoses and other nutritional deficiencies (260-269)										2 14.8	2 15.1	
Anemias (280-285)				1 3.2		1						
Meningitis (320)												
Diseases of heart (390-398, 402, 404, 410-429)	15 348.8	15		120 383.4	117 391.6	3	249 300.0	229 287.4	20	52 385.2	52 392.0	
Active rheumatic fever and chronic rheumatic heart disease (390-398)				2 6.4	2 6.7		5 6.0	5 6.3				
Hypertensive heart disease (402)												
Hypertensive heart & renal disease (404)				1 3.2	1 3.3							
Ischemic heart disease (410-414)	13 302.3	13		109 348.2	107 358.1	2	223 268.7	206 258.5	17	46 340.7	46 346.8	
Other forms of heart disease (420-429)	2 46.5	2		8 25.6	7 23.4	1	21 25.3	18 22.6	3	6 44.4	6 45.2	
Hypertension (400, 401, 403)							5 6.0	4 5.0	1	1 7.4		1
Cerebrovascular disease (430-438)	6 139.5	6		24 76.7	21 70.3	3	78 94.0	73 91.6	5	8 59.3	8 60.3	
Arteriosclerosis (440)				2 6.4	2 6.7		13 15.7	12 15.1	1	11 81.5	10 75.4	1
Other diseases of arteries, arterioles and capillaries (441-448)	1 23.3	1		1 3.2	1 3.3		8 9.6	7 8.8	1			
Acute bronchitis & bronchiolitis (466)												
Influenza (470-474)												
Pneumonia (480-486)	1 23.3	1		7 22.4	7 23.4		19 22.9	19 23.8		4 29.6	4 30.2	
Chronic & unspecified bronchitis (490, 491)				1 3.2	1 3.3		2 2.4	2 2.5				
Emphysema (492)							7 8.4	7 8.8				
Asthma (493)												
Peptic ulcer (531-533)							1 1.2	1 1.3				
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)				1 3.2	1 3.3							
Cirrhosis of liver (571)				3 9.6	3 10.0		14 16.9	14 17.6				
Cholelithiasis, cholecystitis and cholangitis (574, 575)							3 3.6	3 3.8				
Acute nephritis and nephrotic syndrome (580, 581)							2 2.4	2 2.5				
Chronic and unspecified nephritis and renal sclerosis (582-584)	1 23.3	1					3 3.6	3 3.8				
Infections of kidney (590)	1 23.3	1								1 7.4		1
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)				1 3.2	1 3.3		9 10.8	8 10.0	1	1 7.4	1 7.5	
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)				3 9.6	3 10.0		3 3.6	3 3.8		1 7.4	1 7.5	
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	1 23.3	1					9 10.8	9 11.3		1 7.4	1 7.5	
Symptoms & ill-defined conditions (780-796)				12 38.3	12 40.2		27 32.5	25 31.4	2	3 22.2	3 22.6	
All other diseases	4 93.0	4		17 54.3	16 53.5	1	47 56.6	44 55.2	3	4 29.6	3 22.6	1
Motor vehicle accidents (810-823)	2 46.5	2		19 60.7	19 63.6		21 25.3	21 26.4		6 44.4	6 45.2	
Other accidents (800-807, 825-949)	2 46.5	2		7 22.4	7 23.4		23 27.7	23 28.9		7 51.9	7 52.8	
Suicide (950-959)	1 23.3	1		2 6.4	2 6.7		10 12.0	10 12.6		1 7.4	1 7.5	
Homicide (960-978)				1 3.2		1	2 2.4	2 2.5		1 7.4	1 7.5	
Other external causes (980-999)	1 23.3	1		1 3.2	1 3.3		3 3.6	3 3.8				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE. 1978

Estimated Population, July 1, 1978	WEAKLEY						WHITE						WILLIAMSON						WILSON					
	TOTAL 30,900		WHITE 28,964		NONWHITE 1,936		TOTAL 19,500		WHITE 19,243		NONWHITE 457		TOTAL 50,500		WHITE 43,394		NONWHITE 7,106		TOTAL 49,600		WHITE 44,002		NONWHITE 5,598	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	374	12.1	338	11.7	36	18.6	270	13.7	263	13.7	7	15.3	767	15.2	638	14.7	129	18.2	775	15.6	654	14.9	121	21.6
In hospitals	374	....	338	....	36	....	270	....	263	....	7	....	761	....	633	....	128	....	772	....	651	....	121	....
Attended by physicians not in hospitals	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Attended by midwives not in hospitals	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	....	....	....	....	....	....	....	....	....
Attended by others or unspecified not in hospital	....	....	....	....	....	....	....	....	....	....	....	....	4	....	3	....	1	....	3	....	3	....	....	....
ILLEGITIMATE BIRTHS	39	10.4	21	6.2	18	50.0	17	6.3	15	5.7	2	....	113	14.7	25	3.9	88	68.2	92	11.9	40	6.1	52	43.0
LOW-WEIGHT BIRTHS (2500 grams or less)	31	8.3	25	7.4	6	16.7	12	4.4	12	4.6	....	....	51	6.6	39	6.1	12	9.3	58	7.5	35	5.4	23	19.0
FETAL DEATHS	4	10.7	4	11.8	....	....	2	7.4	2	7.6	....	....	7	9.1	7	11.0	....	....	7	9.0	4	6.1	3	24.8
INFANT DEATHS (Under one year of age)	5	13.4	5	14.8	....	....	2	7.4	2	7.6	....	....	10	13.0	8	12.5	2	15.5	6	7.7	1	1.5	5	41.3
Neonatal Deaths (Under 28 days of age)	4	10.7	4	11.8	....	....	1	3.7	1	3.8	....	....	7	9.1	6	9.4	1	7.8	5	6.5	1	1.5	4	33.1
Under 7 days of age	3	....	3	....	....	....	1	....	1	....	....	....	7	....	6	....	1	....	5	....	1	....	4	....
7-27 days of age	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....	1	13.0	....	....	1	77.5	....	....	....	....	....	....
TOTAL DEATHS	338	10.9	312	10.8	26	13.4	188	9.5	183	9.5	5	10.9	367	7.3	321	7.4	46	6.5	383	7.7	319	7.2	64	11.4
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....
Tuberculosis, all forms (010-019)	....	....	....	....	....	....	....	....	....	....	....	....	4	7.9	4	9.2	....	....	....	....	....	....	....	....
of respiratory system (010-012)	....	....	....	....	....	....	....	....	....	....	....	....	4	7.9	4	9.2	....	....	....	....	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	....	....	....	....	....	....
Septicemia (038)	1	3.2	1	3.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	4.0	1	2.3	1	17.9
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	1	3.2	1	3.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2.0	....	....	1	17.9
Malignant neoplasms (140-209)	57	184.5	54	186.4	3	....	26	132.0	26	135.1	....	....	61	120.8	56	129.1	5	70.4	62	125.0	57	129.5	5	89.3
Buccal cavity & pharynx (140-149)	2	6.5	2	6.9	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	1	2.0	1	2.3	....	....
Digestive org. & peritoneum (150-159)	18	58.3	17	58.7	1	....	3	15.2	3	15.6	....	....	10	19.8	10	23.0	....	....	14	28.2	10	22.7	4	71.5
Respiratory system (160-163)	14	45.3	12	41.4	2	....	7	35.5	7	36.4	....	....	14	27.7	13	30.0	1	14.1	18	36.3	18	40.9	....	....
Breast (174)	3	9.7	3	10.4	....	....	4	20.3	4	20.8	....	....	4	7.9	3	6.9	1	14.1	8	16.1	8	18.2	....	....
Female genital organs (180-184)	1	3.2	1	3.5	....	....	1	5.1	1	5.2	....	....	2	4.0	2	4.6	....	....	6	12.1	6	13.6	....	....
Male genital organs (185-187)	2	6.5	2	6.9	....	....	2	10.2	2	10.4	....	....	3	5.9	2	4.6	1	14.1	1	2.0	1	2.3	....	....
Urinary organs (188, 189)	3	9.7	3	10.4	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	1	2.0	1	2.3	....	....
Other & unspecified sites (170-173, 190-199)	6	19.4	6	20.7	....	....	5	25.4	5	26.0	....	....	14	27.7	14	32.3	....	....	7	14.1	6	13.6	1	17.9
Lymphatic and hematopoietic tissue (200-209)	8	25.9	8	27.6	....	....	4	20.3	4	20.8	....	....	12	23.8	10	23.0	2	28.1	6	12.1	6	13.6	....	....
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diabetes mellitus (250)	7	22.7	7	24.2	....	....	3	15.2	3	15.6	....	....	2	4.0	1	2.3	1	14.1	6	12.1	4	9.1	2	35.7
Avitaminoses and other nutritional deficiencies (260-269)	4	12.9	3	10.4	1	....	....	....	....	....	....	....	1	2.0	....	....	1	14.1	2	4.0	2	4.5	....	....
Anemias (280-285)	....	....	....	....	....	....	1	5.1	1	5.2	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....
Meningitis (320)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	119	385.1	112	386.7	7	....	80	406.1	77	400.1	3	....	146	289.1	126	290.4	20	281.5	137	276.2	112	254.5	25	446.6
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1	3.2	1	3.5	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	....	....	....	....	....	....
Hypertensive heart disease (402)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hypertensive heart & renal disease (404)	1	3.2	1	3.5	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	111	359.2	104	359.1	7	....	78	395.9	75	389.8	3	....	137	271.3	119	274.2	18	253.3	112	225.8	90	204.5	22	393.0
Other forms of heart disease (420-429)	6	19.4	6	20.7	....	....	2	10.2	2	10.4	....	....	7	13.9	5	11.5	2	28.1	25	50.4	22	50.0	3	53.6
Hypertension (400, 401, 403)	1	3.2	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Cerebrovascular disease (430-438)	44	142.4	40	138.1	4	....	33	167.5	32	166.3	1	....	33	65.3	28	64.5	5	70.4	68	137.1	55	125.0	13	232.2
Arteriosclerosis (440)	20	64.7	20	69.1	....	....	6	30.5	6	31.2	....	....	6	11.9	4	9.2	2	28.1	3	6.0	3	6.8	....	....
Other diseases of arteries, arterioles and capillaries (441-448)	5	16.2	5	17.3	....	....	2	10.2	1	5.2	1	....	3	5.9	2	4.6	1	14.1	4	8.1	4	9.1	....	....
Acute bronchitis & bronchiolitis (466)	1	3.2	1	3.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	2	6.5	1	3.5	1	....	1	5.1	1	5.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pneumonia (480-486)	3	9.7	2	6.9	1	....	2	10.2	2	10.4	....	....	8	15.8	8	18.4	....	....	12	24.2	10	22.7	2	35.7
Chronic & unqual. bronchitis (490, 491)	3	9.7	3	10.4	....	....	1	5.1	1	5.2	....	....	1	2.0	1	2.3	....	....	2	4.0	2	4.5	....	....
Emphysema (492)	2	6.5	2	6.9	....	....	2	10.2	2	10.4	....	....	4	7.9	4	9.2	....	....	8	16.1	6	13.6	2	35.7
Asthma (493)	....	....	....	....	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	....	....	....	....	....	....	1	5.1	1	5.2	....	....	....	....	....	....	....	....	2	4.0	2	4.5	....	....
Appendicitis (540-543)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....
Hernia & intestinal obstruction (550-553, 560)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	2.0	....	....	1	17.9
Cirrhosis of liver (571)	1	3.2	....	....	1	....	....	....	....	....	....	....	6	11.9	6	13.8	....	....	4	8.1	3	6.8	1	17.9
Cholelithiasis, cholecystitis and cholangitis (574, 575)	2	6.5	2	6.9	....	....	1	5.1	1	5.2	....	....	2	4.0	2	4.6	....	....	1	2.0	1	2.3	....	....
Acute nephritis and nephrotic syndrome (580, 581)	....	....	....	....	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	1	2.0	....	....	1	17.9
Chronic and unqual. nephritis and renal sclerosis (582-584)	1	3.2	1	3.5	....	....	....	....	....	....	....	....	2	4.0	1	2.3	1	14.1	2	4.0	1	2.3	1	17.9
Infections of kidney (590)	1	3.2	1	3.5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hyperplasia of prostate (600)	2	6.5	1	3.5	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....	1	13.0	....	....	1	77.5	....	....	....	....	....	....
Congenital anomalies (740-759)	1	3.2	1	3.5	....	....	2	10.2	2	10.4	....	....	5	9.9	3	6.9	2	28.1	....	....	....	....	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	2	6.5	2	6.9	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	....	....	....	....	....	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	1	3.2	1	3.5	....	....	....	....	....	....	....	....	2	4.0	2	4.6	....	....	4	8.1	1	2.3	3	53.6
Symptoms & ill-defined conditions (780-796)	17	55.0	14	48.3	3	....	2	10.2	2	10.4	....	....	4	7.9	3	6.9	1	14.1	4	8.1	3	6.8	1	17.9
All other diseases	19	61.5	19	65.6	....	....	10	50.8	10	52.0	....	....	28	55.4	24	55.3	4	56.3	21	42.3	19	43.2	2	35.7
Motor vehicle accidents (810-823)	11	35.6	10	34.5	1	....	4	20.3	4	20.8	....	....	20	39.6	19	43.8	1	14.1	13	26.2	13	29.5	....	....
Other accidents (800-807, 825-949)	7	22.7	6	20.7	1	....	8	40.6	8	41.6	....	....	11	21.8	11	25.3	....	....	9	18.1	7	15.9	2	35.7
Suicide (950-959)	2	6.5	1	3.5	1	....	2	10.2	2	10.4	....	....	7	13.9	7	16.1	....	....	6	12.1	6	13.6	....	....
Homicide (960-978)	1	3.2	1	3.5	....	....	1	5.1	1	5.2	....	....	4	7.9	3	6.9	1	14.1	4	8.1	3	6.8	1	17.9
Other external causes (980-999)	....	....	....	....	....	....	....	....	....	....	....	....	1	2.0	1	2.3	....	....	1	2.0	1	2.3	....	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1978

	ATHENS			BRISTOL			CHATTANOOGA			CLARKSVILLE		
Estimated Population, July 1, 1978	TOTAL 12,337	WHITE 11,365	NONWHITE 972	TOTAL 27,048	WHITE 26,111	NONWHITE 937	TOTAL 162,778	WHITE 117,981	NONWHITE 44,797	TOTAL 56,644	WHITE 45,465	NONWHITE 11,179
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	181 14.7	165 14.5	16 16.5	298 11.0	288 11.0	10 10.7	2,913[1] 17.9	1,802 15.3	1,111 24.8	1,230 21.7	887 19.5	343 30.7
In hospitals	181	165	16	298	288	10	2,895	1,784	1,111	1,227	885	342
Attended by physicians not in hospitals							12	12		1		1
Attended by midwives not in hospitals							3	3				
Attended by others or unspecified not in hospital							3	3		2	2	
ILLEGITIMATE BIRTHS	27 14.9	20 12.1	7 43.8	31 10.4	26 9.0	5 50.0	794 27.3	154 8.5	640 57.6	154 12.5	54 6.1	100 29.2
LOW-WEIGHT BIRTHS (2500 grams or less)	12 6.6	9 5.5	3 18.8	26 8.7	24 8.3	2 20.0	245 8.4	113 6.3	132 11.9	76 6.2	41 4.6	35 10.2
FETAL DEATHS				2 6.7	2 6.9		29 10.0	14 7.8	15 13.5	10 8.1	5 5.6	5 14.6
INFANT DEATHS (Under one year of age)	3 16.6	3 18.2		3 10.1	3 10.4		51 17.5	22 12.2	29 26.1	10 8.1	5 5.6	5 14.6
Neonatal Deaths (Under 28 days of age)	3 16.6	3 18.2		2 6.7	2 6.9		40 13.7	17 9.4	23 20.7	5 4.1	2 2.3	3 8.7
Under 7 days of age	3	3		2	2		30	11	19	5	2	3
7-27 days of age							10	6	4			
MATERNAL DEATHS (ICDA codes 630-678)										1 8.1		1 29.2
TOTAL DEATHS	123 10.0	116 10.2	7 7.2	257 9.5	243 9.3	14 14.9	1,758 10.8	1,190 10.1	568 12.7	261 4.6	188 4.1	73 6.5
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)							5 3.1	2 1.7	3 6.7			
Tuberculosis, all forms (010-019)				2 7.4	2 7.7		3 1.8	2 1.7	1 2.2			
of respiratory system (010-012)				2 7.4	2 7.7		3 1.8	2 1.7	1 2.2			
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)												
Septicemia (038)	1 8.1	1 8.8		1 3.7	1 3.8		11 6.8	4 3.4	7 15.6	2 3.5	2 4.4	
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)				1 3.7	1 3.8		6 3.7	4 3.4	2 4.5			
Malignant neoplasms (140-209)	26 210.7	25 220.0	1	50 184.9	49 187.7	1	350 215.0	232 196.6	118 263.4	52 91.8	30 66.0	22 196.8
Buccal cavity & pharynx (140-149)	1 8.1	1 8.8					9 5.5	7 5.9	2 4.5			
Digestive org. & peritoneum (150-159)	10 81.1	9 79.2	1	11 40.7	11 42.1		84 51.6	45 38.1	39 87.1	18 31.8	10 22.0	8 71.6
Respiratory system (160-163)	5 40.5	5 44.0		11 40.7	11 42.1		105 64.5	73 61.9	32 71.4	11 19.4	6 13.2	5 44.7
Breast (174)	4 32.4	4 35.2		5 18.5	4 15.3	1	22 13.5	18 15.3	4 8.9	2 3.5	2 4.4	
Female genital organs (180-184)	1 8.1	1 8.8		3 11.1	3 11.5		19 11.7	10 8.5	9 20.1	2 3.5	1 2.2	1 8.9
Male genital organs (185-187)	1 8.1	1 8.8		5 18.5	5 19.1		21 12.9	12 10.2	9 20.1	3 5.3	1 2.2	2 17.9
Urinary organs (188, 189)				4 14.8	4 15.3		13 8.0	10 8.5	3 6.7	2 3.5	1 2.2	1 8.9
Other & unspecified sites (170-173, 190-199)	2 16.2	2 17.6		8 29.6	8 30.6		47 28.9	36 30.5	11 24.6	9 15.9	6 13.2	3 26.8
Lymphatic and hematopoietic tissue (200-209)	2 16.2	2 17.6		3 11.1	3 11.5		30 18.4	21 17.8	9 20.1	5 8.8	3 6.6	2 17.9
Benign and unspecified neoplasms (210-239)							3 1.8	2 1.7	1 2.2	2 3.5	1 2.2	1 8.9
Diabetes mellitus (250)	2 16.2	2 17.6		6 22.2	5 19.1	1	22 13.5	13 11.0	9 20.1	5 8.8	3 6.6	2 17.9
Avitaminoses and other nutritional deficiencies (260-269)							1 0.6	1 0.8		1 1.8	1 2.2	
Anemias (280-285)							3 1.8	3 2.5		1 1.8	1 2.2	
Meningitis (320)							2 1.2	1 0.8	1 2.2	1 1.8		1 8.9
Diseases of heart (390-398, 402, 404, 410-429)	37 299.9	34 299.2	3	99 366.0	92 352.3	7	660 405.5	479 406.0	181 404.0	83 146.5	61 134.2	22 196.8
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1 8.1	1 8.8					4 2.5	2 1.7	2 4.5	1 1.8	1 2.2	
Hypertensive heart disease (402)							9 5.5	5 4.2	4 8.9	1 1.8	1 2.2	
Hypertensive heart & renal disease (404)							1 0.6	1 0.8		1 1.8	1 2.2	
Ischemic heart disease (410-414)	33 267.5	30 264.0	3	97 358.6	91 348.5	6	609 374.1	443 375.5	166 370.6	69 121.8	52 114.4	17 152.1
Other forms of heart disease (420-429)	3 24.3	3 26.4		2 7.4	1 3.8	1	37 22.7	28 23.7	9 20.1	11 19.4	6 13.2	5 44.7
Hypertension (400, 401, 403)	1 8.1	1 8.8		1 3.7	1 3.8		9 5.5	6 5.1	3 6.7	1 1.8		1 8.9
Cerebrovascular disease (430-438)	19 154.0	18 158.4	1	24 88.7	23 88.1	1	195 119.8	137 116.1	58 129.5	31 54.7	22 48.4	9 80.5
Arteriosclerosis (440)	1 8.1	1 8.8		6 22.2	6 23.0		25 15.4	15 12.7	10 22.3	1 1.8	1 2.2	
Other diseases of arteries, arterioles and capillaries (441-448)	2 16.2	2 17.6		6 22.2	5 19.1	1	22 13.5	17 14.4	5 11.2	3 5.3	3 6.6	
Acute bronchitis & bronchiolitis (466)							1 0.6		1 2.2			
Influenza (470-474)	2 16.2	2 17.6		1 3.7	1 3.8		1 0.6		1 2.2			
Pneumonia (480-486)	3 24.3	3 26.4		5 18.5	4 15.3	1	59 36.2	37 31.4	22 49.1	5 8.8	3 6.6	2 17.9
Chronic & unqual. bronchitis (490, 491)				2 7.4	2 7.7		6 3.7	6 5.1				
Emphysema (492)	1 8.1	1 8.8					14 8.6	12 10.2	2 4.5	6 10.6	6 13.2	
Asthma (493)												
Peptic ulcer (531-533)							5 3.1	5 4.2				
Appendicitis (540-543)	1 8.1	1 8.8										
Hernia & intestinal obstruction (550-553, 560)							2 1.2	2 1.7		1 1.8	1 2.2	
Cirrhosis of liver (571)				6 22.2	6 23.0		23 14.1	13 11.0	10 22.3	5 8.8	4 8.8	1 8.9
Cholelithiasis, cholecystitis and cholangitis (574, 575)	1 8.1	1 8.8					1 0.6	1 0.8		1 1.8	1 2.2	
Acute nephritis and nephrotic syndrome (580, 581)							2 1.2		2 4.5			
Chronic and unqual. nephritis and renal sclerosis (582-584)	1 8.1	1 8.8		4 14.8	3 11.5	1	18 11.1	3 2.5	15 33.5			
Infections of kidney (590)							7 4.3	5 4.2	2 4.5			
Hyperplasia of prostate (600)							1 0.6	1 0.8		1 1.8	1 2.2	
Complications of pregnancy, childbirth and the puerperium (630-678)										1 8.1		1 29.2
Congenital anomalies (740-759)	2 16.2	2 17.6		3 11.1	3 11.5		20 12.3	12 10.2	8 17.9	2 3.5	2 4.4	
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	2 16.2	2 17.6		1 3.7	1 3.8		11 6.8	3 2.5	8 17.9	3 5.3	1 2.2	2 17.9
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)							9 5.5	3 2.5	6 13.4	1 1.8		1 8.9
Symptoms & ill-defined conditions (780-796)	1 8.1	1 8.8		2 7.4	2 7.7		10 6.1	3 2.5	7 15.6	9 15.9	6 13.2	3 26.8
All other diseases	5 40.5	4 35.2	1	13 48.1	12 46.0	1	116 71.3	81 68.7	35 78.1	17 30.0	15 33.0	2 17.9
Motor vehicle accidents (810-823)	8 64.8	7 61.6	1	8 29.6	8 30.6		38 23.3	23 19.5	15 33.5	13 23.0	11 24.2	2 17.9
Other accidents (800-807, 825-949)	3 24.3	3 26.4		8 29.6	8 30.6		54 33.2	35 29.7	19 42.4	7 12.4	6 13.2	1 8.9
Suicide (950-959)	4 32.4	4 35.2		2 7.4	2 7.7		21 12.9	18 15.3	3 6.7	4 7.1	4 8.8	
Homicide (960-978)				4 14.8	4 15.3		21 12.9	9 7.6	12 26.8	2 3.5	2 4.4	
Other external causes (980-999)				2 7.4	2 7.7		1 0.6		1 2.2			

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1978

	CLEVELAND			COLUMBIA			COOKEVILLE			DYERSBURG		
Estimated Population, July 1, 1978	TOTAL 31,009	WHITE 28,985	NONWHITE 2,024	TOTAL 23,258	WHITE 18,100	NONWHITE 5,158	TOTAL 18,526	WHITE 18,108	NONWHITE 418	TOTAL 15,768	WHITE 12,847	NONWHITE 2,921
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	441 14.2	399 13.8	42 20.8	324 13.9	232 12.8	92 17.8	219 11.8	207 11.4	12 28.7	228 14.5	166 12.9	62 21.2
In hospitals	438	396	42	322	231	91	218	206	12	227	166	61 ....
Attended by physicians not in hospitals	2	2	....	....	....	....	....	....	....	....	....	....
Attended by midwives not in hospitals	....	....	....	2	1	1	1	1	....	1	....	1 ....
Attended by others or unspecified not in hospital	1	1	....	....	....	....	....	....	....	....	....	....
ILLEGITIMATE BIRTHS	56 12.7	38 9.5	18 42.9	86 26.5	27 11.6	59 64.1	13 5.9	12 5.8	1 8.3	45 19.7	7 4.2	38 61.3
LOW-WEIGHT BIRTHS (2500 grams or less)	37 8.4	30 7.5	7 16.7	28 8.6	10 4.3	18 19.6	16 7.3	15 7.2	1 8.3	25 11.0	22 13.3	3 4.8
FETAL DEATHS	6 13.6	6 15.0	....	1 3.1	1 4.3	....	2 9.1	2 9.7	....	3 13.2	3 18.1	....
INFANT DEATHS (Under one year of age)	10 22.7	9 22.6	1 23.8	3 9.3	3 12.9	....	6 27.4	6 29.0	....	7 30.7	6 36.1	1 16.1
Neonatal Deaths (Under 28 days of age)	10 22.7	9 22.6	1 23.8	2 6.2	2 8.6	....	4 18.3	4 19.3	....	5 21.9	4 24.1	1 16.1
Under 7 days of age	7	7	....	2	2	....	3	3	....	5	4	1 ....
7-27 days of age	3	2	1	....	....	....	1	1	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	287 9.3	266 9.2	21 10.4	236 10.1	184 10.2	52 10.1	148 8.0	145 8.0	3 7.2	190 12.0	146 11.4	44 15.1
CAUSE OF DEATH												
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	1 3.2	1 3.5	....	....	....	....	....	....	....	....	....	....
Tuberculosis, all forms (010-019)	1 3.2	1 3.5	....	1 4.3	1 5.5	....	1 5.4	1 5.5	....	....	....	....
of respiratory system (010-012)	....	....	....	1 4.3	1 5.5	....	1 5.4	1 5.5	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	1 3.2	....	1	....	....	....	....	....	....	....	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	....	....	....	....	....	....	....	....	....	1 6.3	....	1 ....
Malignant neoplasms (140-209)	56 180.6	53 182.9	3	48 206.4	38 209.9	10 193.9	19 102.6	19 104.9	....	30 190.3	23 179.0	7 ....
Buccal cavity & pharynx (140-149)	1 3.2	1 3.5	....	2 8.6	2 11.0	....	....	....	....	....	....	....
Digestive org. & peritoneum (150-159)	14 45.1	12 41.4	2	11 47.3	8 44.2	3 58.2	1 5.4	1 5.5	....	8 50.7	7 54.5	1 ....
Respiratory system (160-163)	21 67.7	20 69.0	1	9 38.7	6 33.1	3 58.2	7 37.8	7 38.7	....	10 63.4	8 62.3	2 ....
Breast (174)	2 6.4	2 6.9	....	8 34.4	7 38.7	1 19.4	2 10.8	2 11.0	....	1 6.3	1 7.8	....
Female genital organs (180-184)	4 12.9	4 13.8	....	2 8.6	2 11.0	....	1 5.4	1 5.5	....	2 12.7	1 7.8	1 ....
Male genital organs (185-187)	3 9.7	3 10.4	....	2 8.6	1 5.5	1 19.4	2 10.8	2 11.0	....	4 25.4	2 15.6	2 ....
Urinary organs (188, 189)	2 6.4	2 6.9	....	....	....	....	1 5.4	1 5.5	....	2 12.7	2 15.6	....
Other & unspecified sites (170-173, 190-199)	6 19.3	6 20.7	....	7 30.1	6 33.1	1 19.4	2 10.8	2 11.0	....	3 19.0	2 15.6	1 ....
Lymphatic and hematopoietic tissue (200-209)	3 9.7	3 10.4	....	7 30.1	6 33.1	1 19.4	3 16.2	3 16.6	....	....	....	....
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	....	....	....	....	....	....
Diabetes mellitus (250)	2 6.4	2 6.9	....	....	....	....	3 16.2	2 11.0	1	2 12.7	2 15.6	....
Avitaminoses and other nutritional deficiencies (260-269)	....	....	....	2 8.6	2 11.0	....	....	....	....	....	....	....
Anemias (280-285)	....	....	....	....	....	....	....	....	....	....	....	....
Meningitis (320)	....	....	....	1 4.3	....	1 19.4	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	101 325.7	96 331.2	5	103 442.9	77 425.4	26 504.1	73 394.0	71 392.1	2	59 374.2	45 350.3	14 ....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1 3.2	1 3.5	....	1 4.3	1 5.5	....	1 5.4	1 5.5	....	....	....	....
Hypertensive heart disease (402)	....	....	....	....	....	....	....	....	....	2 12.7	2 15.6	....
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	89 287.0	84 289.8	5	93 399.9	71 392.3	22 426.5	67 361.7	66 364.5	1	47 298.1	38 295.8	9 ....
Other forms of heart disease (420-429)	11 35.5	11 38.0	....	9 38.7	5 27.6	4 77.5	5 27.0	4 22.1	1	10 63.4	5 38.9	5 ....
Hypertension (400, 401, 403)	....	....	....	....	....	....	....	....	....	....	....	....
Cerebrovascular disease (430-438)	37 119.3	35 120.8	2	24 103.2	21 116.0	3 58.2	16 86.4	16 88.4	....	21 133.2	17 132.3	4 ....
Arteriosclerosis (440)	4 12.9	4 13.8	....	1 4.3	1 5.5	....	4 21.6	4 22.1	....	2 12.7	2 15.6	....
Other diseases of arteries, arterioles and capillaries (441-448)	3 9.7	2 6.9	1	5 21.5	4 22.1	1 19.4	1 5.4	1 5.5	....	4 25.4	3 23.4	1 ....
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	3 9.7	3 10.4	....	1 4.3	1 5.5	....	....	....	....	2 12.7	1 7.8	1 ....
Pneumonia (480-486)	8 25.8	7 24.2	1	4 17.2	3 16.6	1 19.4	3 16.2	3 16.6	....	7 44.4	7 54.5	....
Chronic & unqual. bronchitis (490, 491)	....	....	....	....	....	....	1 5.4	1 5.5	....	1 6.3	1 7.8	....
Emphysema (492)	6 19.3	6 20.7	....	1 4.3	1 5.5	....	1 5.4	1 5.5	....	2 12.7	2 15.6	....
Asthma (493)	1 3.2	1 3.5	....	....	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	....	....	....	2 8.6	2 11.0	....	....	....	....	....	....	....
Appendicitis (540-543)	....	....	....	....	....	....	1 5.4	1 5.5	....	....	....	....
Hernia & intestinal obstruction (550-553, 560)	1 3.2	1 3.5	....	1 4.3	....	1 19.4	1 5.4	1 5.5	....	2 12.7	2 15.6	....
Cirrhosis of liver (571)	4 12.9	2 6.9	2	2 8.6	2 11.0	....	....	....	....	1 6.3	1 7.8	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	....	....	....	....	....	....	....	....	....	....	....	....
Acute nephritis and nephrotic syndrome (580, 581)	....	....	....	....	....	....	....	....	....	1 6.3	....	1 ....
Chronic and unqual. nephritis and renal sclerosis (582-584)	2 6.4	2 6.9	....	1 4.3	....	1 19.4	....	....	....	....	....	....
Infections of kidney (590)	....	....	....	....	....	....	....	....	....	....	....	....
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	1 6.3	....	1 ....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	1 3.2	1 3.5	....	1 4.3	1 5.5	....	....	....	....	1 6.3	1 7.8	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	3 9.7	3 10.4	....	2 8.6	2 11.0	....	....	....	....	3 19.0	3 23.4	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	5 16.1	4 13.8	1	....	....	....	4 21.6	4 22.1	....	1 6.3	1 7.8	....
Symptoms & ill-defined conditions (780-796)	3 9.7	3 10.4	....	1 4.3	....	1 19.4	3 16.2	3 16.6	....	17 107.8	8 62.3	9 ....
All other diseases	16 51.6	14 48.3	2	14 60.2	12 66.3	2 38.8	9 48.6	9 49.7	....	23 145.9	20 155.7	3 ....
Motor vehicle accidents (810-823)	10 32.2	9 31.1	1	6 25.8	3 16.6	3 58.2	1 5.4	1 5.5	....	3 19.0	2 15.6	1 ....
Other accidents (800-807, 825-949)	8 25.8	7 24.2	1	6 25.8	5 27.6	1 19.4	4 21.6	4 22.1	....	4 25.4	4 31.1	....
Suicide (950-959)	5 16.1	5 17.3	....	7 30.1	7 38.7	....	1 5.4	1 5.5	....	1 6.3	1 7.8	....
Homicide (960-978)	5 16.1	4 13.8	1	2 8.6	1 5.5	1 19.4	....	....	....	1 6.3	....	1 ....
Other external causes (980-999)	....	....	....	....	....	....	2 10.8	2 11.0	....	....	....	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1978

	EAST RIDGE			ELIZABETHTON			GALLATIN			GREENEVILLE		
Estimated Population, July 1, 1978	TOTAL 22,761	WHITE 22,704	NONWHITE 57	TOTAL 12,736	WHITE 12,398	NONWHITE 338	TOTAL 15,157	WHITE 12,006	NONWHITE 3,151	TOTAL 14,318	WHITE 13,448	NONWHITE 870
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	81 3.6	80 3.5	1 17.5	124 9.7	120 9.7	4 11.8	272 17.9	217 18.1	55 17.5	164 11.5	150 11.2	14 16.1
In hospitals	81	80	1	124	120	4	272	217	55	164	150	14
Attended by physicians not in hospitals												
Attended by midwives not in hospitals												
Attended by others or unspecified not in hospital												
ILLEGITIMATE BIRTHS	1 1.2	1 1.2		20 16.1	19 15.8	1	53 19.5	24 11.1	29 52.7	26 15.9	20 13.3	6 42.9
LOW-WEIGHT BIRTHS (2500 grams or less)	3 3.7	3 3.8		11 8.9	10 8.3	1	18 6.6	11 5.1	7 12.7	6 3.7	6 4.0	
FETAL DEATHS				1 8.1	1 8.3		3 11.0	1 4.6	2 36.4	2 12.2	2 13.3	
INFANT DEATHS (Under one year of age)	4 49.4	4 50.0					7 25.7	5 23.0	2 36.4			
Neonatal Deaths (Under 28 days of age)	2 24.7	2 25.0					4 14.7	4 18.4				
Under 7 days of age	1	1					4	4				
7-27 days of age	1	1										
MATERNAL DEATHS (ICDA codes 630-678)												
TOTAL DEATHS	158 6.9	158 7.0		142 11.1	137 11.1	5 14.8	159 10.5	117 9.7	42 13.3	163 11.4	154 11.5	9 10.3
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)												
Enteritis & other diarrheal diseases (008, 009)				1 7.9	1 8.1							
Tuberculosis, all forms (010-019)							1 6.6	1 8.3				
of respiratory system (010-012)							1 6.6	1 8.3				
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)							1 6.6	1 8.3				
Septicemia (038)	1 4.4	1 4.4										
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)	1 4.4	1 4.4		1 7.9	1 8.1							
Malignant neoplasms (140-209)	33 145.0	33 145.3		30 235.6	28 225.8	2	25 164.9	23 191.6	2	35 244.4	34 252.8	1
Buccal cavity & pharynx (140-149)	1 4.4	1 4.4										
Digestive org. & peritoneum (150-159)	13 57.1	13 57.3		5 39.3	5 40.3		4 26.4	4 33.3		7 48.9	6 44.6	1
Respiratory system (160-163)	9 39.5	9 39.6		9 70.7	8 64.5	1	4 26.4	4 33.3		5 34.9	5 37.2	
Breast (174)	3 13.2	3 13.2		3 23.6	3 24.2		2 13.2	2 16.7		4 27.9	4 29.7	
Female genital organs (180-184)	3 13.2	3 13.2		2 15.7	2 16.1		1 6.6	1 8.3		4 27.9	4 29.7	
Male genital organs (185-187)	1 4.4	1 4.4					2 13.2	1 8.3	1	2 14.0	2 14.9	
Urinary organs (188, 189)	1 4.4	1 4.4		4 31.4	3 24.2	1	3 19.8	3 25.0		1 7.0	1 7.4	
Other & unspecified sites (170-173, 190-199)				4 31.4	4 32.3		5 33.0	5 41.6		8 55.9	8 59.5	
Lymphatic and hematopoietic tissue (200-209)	2 8.8	2 8.8		3 23.6	3 24.2		4 26.4	3 25.0	1	4 27.9	4 29.7	
Benign and unspecified neoplasms (210-239)												
Diabetes mellitus (250)	4 17.6	4 17.6		3 23.6	3 24.2		1 6.6	1 8.3		2 14.0	2 14.9	
Avitaminoses and other nutritional deficiencies (260-269)							1 6.6	1 8.3		1 7.0	1 7.4	
Anemias (280-285)												
Meningitis (320)												
Diseases of heart (390-398, 402, 404, 410-429)	52 228.5	52 229.0		55 431.8	54 435.6	1	57 376.1	43 358.2	14	71 495.9	67 498.2	4
Active rheumatic fever and chronic rheumatic heart disease (390-398)							1 6.6		1			
Hypertensive heart disease (402)	1 4.4	1 4.4		1 7.9	1 8.1							
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	48 210.9	48 211.4		48 376.9	48 387.2		54 356.3	41 341.5	13	69 481.9	66 490.8	3
Other forms of heart disease (420-429)	3 13.2	3 13.2		6 47.1	5 40.3	1	2 13.2	2 16.7		2 14.0	1 7.4	1
Hypertension (400, 401, 403)							2 13.2	1 8.3	1	1 7.0		1
Cerebrovascular disease (430-438)	23 101.1	23 101.3		19 149.2	19 153.3		20 132.0	10 83.3	10	12 83.8	12 89.2	
Arteriosclerosis (440)	3 13.2	3 13.2		1 7.9	1 8.1		4 26.4	2 16.7	2	3 21.0	3 22.3	
Other diseases of arteries, arterioles and capillaries (441-448)	3 13.2	3 13.2		3 23.6	3 24.2		2 13.2		2	3 21.0	3 22.3	
Acute bronchitis & bronchiolitis (466)												
Influenza (470-474)												
Pneumonia (480-486)	7 30.8	7 30.8		6 47.1	5 40.3	1	4 26.4	4 33.3		4 27.9	4 29.7	
Chronic & unqual. bronchitis (490, 491)							1 6.6	1 8.3				
Emphysema (492)	3 13.2	3 13.2		1 7.9	1 8.1		1 6.6	1 8.3		2 14.0	2 14.9	
Asthma (493)												
Peptic ulcer (531-533)							1 6.6	1 8.3				
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)							1 6.6	1 8.3		1 7.0	1 7.4	
Cirrhosis of liver (571)	1 4.4	1 4.4		3 23.6	3 24.2		1 6.6	1 8.3		3 21.0	2 14.9	1
Cholelithiasis, cholecystitis and cholangitis (574, 575)												
Acute nephritis and nephrotic syndrome (580, 581)												
Chronic and unqual. nephritis and renal sclerosis (582-584)	1 4.4	1 4.4		1 7.9	1 8.1		1 6.6	1 8.3				
Infections of kidney (590)	1 4.4	1 4.4										
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth and the puerperium (630-678)												
Congenital anomalies (740-759)	2 8.8	2 8.8					3 19.8	3 25.0				
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	1 4.4	1 4.4					1 6.6	1 8.3				
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)							1 6.6	1 8.3				
Symptoms & ill-defined conditions (780-796)							4 26.4	2 16.7	2			
All other diseases	10 43.9	10 44.0		9 70.7	8 64.5	1	6 39.6	6 50.0		12 83.8	11 81.8	1
Motor vehicle accidents (810-823)	3 13.2	3 13.2		4 31.4	4 32.3		6 39.6	6 50.0		4 27.9	4 29.7	
Other accidents (800-807, 825-949)	7 30.8	7 30.8		3 23.6	3 24.2		9 59.4	1 8.3	8	6 41.9	6 44.6	
Suicide (950-959)	1 4.4	1 4.4					3 19.8	3 25.0		1 7.0	1 7.4	
Homicide (960-978)	1 4.4	1 4.4		2 15.7	2 16.1		1 6.6		1	1 7.0		1
Other external causes (980-999)							1 6.6	1 8.3		1 7.0	1 7.4	

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TABLE VII (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1978

	HUMBOLDT			JACKSON			JOHNSON CITY			KINGSPORT		
Estimated Population, July 1, 1978	TOTAL 10,100	WHITE 6,637	NONWHITE 3,463	TOTAL 47,532	WHITE 31,839	NONWHITE 15,693	TOTAL 40,288	WHITE 37,242	NONWHITE 3,046	TOTAL 33,196	WHITE 31,621	NONWHITE 1,575
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	164 16.2	79 11.9	85 24.5	611 12.9	305 9.6	306 19.5	441 10.9	411 11.0	30 9.8	360 10.8	335 10.6	25 15.9
In hospitals	164 . .	79 . .	85 . .	607 . .	302 . .	305 . .	439 . .	409 . .	30 . .	359 . .	334 . .	25 . .
Attended by physicians not in hospitals	. . . .	. . . .	. . . .	2 . .	1 . .	1 . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Attended by midwives not in hospitals	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	1 . .	1 . .	. . . .	. . . .	. . . .	. . . .
Attended by others or unspecified not in hospital	. . . .	. . . .	. . . .	2 . .	2 . .	. . . .	1 . .	1 . .	. . . .	1 . .	1 . .	. . . .
ILLEGITIMATE BIRTHS	59 36.0	5 6.3	54 63.5	182 29.8	18 5.9	164 53.6	64 14.5	42 10.2	22 73.3	49 13.6	37 11.0	12 48.0
LOW-WEIGHT BIRTHS (2500 grams or less)	21 12.8	7 8.9	14 16.5	48 7.9	13 4.3	35 11.4	35 7.9	34 8.3	1 3.3	21 5.8	19 5.7	2 8.0
FETAL DEATHS	1 6.1	. . . .	1 11.8	3 4.9	1 3.3	2 6.5	5 11.3	5 12.2	. . . .	7 19.4	7 20.9	. . . .
INFANT DEATHS (Under one year of age)	2 12.2	1 12.7	1 11.8	12 19.6	3 9.8	9 29.4	6 13.6	6 14.6	. . . .	8 22.2	8 23.9	. . . .
Neonatal Deaths (Under 28 days of age)	2 12.2	1 12.7	1 11.8	9 14.7	3 9.8	6 19.6	5 11.3	5 12.2	. . . .	5 13.9	5 14.9	. . . .
Under 7 days of age	2 . .	1 . .	1 . .	5 . .	3 . .	2 . .	4 . .	4 . .	. . . .	3 . .	3 . .	. . . .
7-27 days of age	. . . .	. . . .	. . . .	4 . .	. . . .	4 . .	1 . .	1 . .	. . . .	2 . .	2 . .	. . . .
MATERNAL DEATHS (ICDA codes 630-678)	1 61.0	. . . .	1 117.6	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
TOTAL DEATHS	109 10.8	69 10.4	40 11.6	524 11.0	327 10.3	197 12.6	406 10.1	373 10.0	33 10.8	328 9.9	316 10.0	12 7.6
CAUSE OF DEATH												
Typhoid fever (001)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Bacillary dysentery and amebiasis (004, 006)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Enteritis & other diarrheal diseases (008, 009)	. . . .	. . . .	. . . .	1 2.1	. . . .	1 6.4	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Tuberculosis, all forms (010-019)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	1 3.0	1 3.2	. . . .
of respiratory system (010-012)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	1 3.0	1 3.2	. . . .
Diphtheria (032)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Whooping cough (033)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Strep. sore throat & scarlet fever (034)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Meningococcal infection (036)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Septicemia (038)	. . . .	. . . .	. . . .	4 8.4	1 3.1	3 19.1	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Acute poliomyelitis (040-043)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Measles (055)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Viral encephalitis (062-065)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Rocky Mtn. spotted fever (082.0)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Syphilis & its sequelae (090-097)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Other infective & parasitic diseases (remainder of 000-136)	. . . .	. . . .	. . . .	2 4.2	. . . .	2 12.7	. . . .	. . . .	. . . .	1 3.0	1 3.2	. . . .
Malignant neoplasms (140-209)	17 168.3	9 135.6	8 . .	83 174.6	57 179.0	26 165.7	82 203.5	80 214.8	2 . .	68 204.8	62 196.1	6 . .
Buccal cavity & pharynx (140-149)	. . . .	. . . .	. . . .	1 2.1	1 3.1	. . . .	2 5.0	2 5.4	. . . .	1 3.0	1 3.2	. . . .
Digestive org. & peritoneum (150-159)	4 39.6	1 15.1	3 . .	18 37.9	14 44.0	4 25.5	22 54.6	22 59.1	. . . .	12 36.1	11 34.8	1 . .
Respiratory system (160-163)	5 49.5	5 75.3	. . . .	26 54.7	17 53.4	9 57.4	28 69.5	27 72.5	1 . .	17 51.2	16 50.6	1 . .
Breast (174)	1 9.9	1 15.1	. . . .	12 25.2	6 18.8	6 38.2	11 27.3	10 26.9	1 . .	8 24.1	6 19.0	2 . .
Female genital organs (180-184)	2 19.8	. . . .	2 . .	1 2.1	1 3.1	. . . .	4 9.9	4 10.7	. . . .	5 15.1	5 15.8	. . . .
Male genital organs (185-187)	2 19.8	. . . .	2 . .	3 6.3	2 6.3	1 6.4	2 5.0	2 5.4	. . . .	3 9.0	2 6.3	1 . .
Urinary organs (188, 189)	. . . .	. . . .	. . . .	5 10.5	5 15.7	. . . .	3 7.4	3 8.1	. . . .	4 12.0	3 9.5	1 . .
Other & unspecified sites (170-173, 190-199)	3 29.7	2 30.1	1 . .	11 23.1	7 22.0	4 25.5	8 19.9	8 21.5	. . . .	7 21.1	7 22.1	. . . .
Lymphatic and hematopoietic tissue (200-209)	. . . .	. . . .	. . . .	6 12.6	4 12.6	2 12.7	2 5.0	2 5.4	. . . .	11 33.1	11 34.8	. . . .
Benign and unspecified neoplasms (210-239)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	1 3.0	1 3.2	. . . .
Diabetes mellitus (250)	1 9.9	. . . .	1 . .	4 8.4	3 9.4	1 6.4	3 7.4	3 8.1	. . . .	6 18.1	6 19.0	. . . .
Avitaminoses and other nutritional deficiencies (260-269)	. . . .	. . . .	. . . .	1 2.1	. . . .	1 6.4	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Anemias (280-285)	1 9.9	. . . .	1 . .	1 2.1	. . . .	1 6.4	. . . .	. . . .	. . . .	1 3.0	1 3.2	. . . .
Meningitis (320)	. . . .	. . . .	. . . .	2 4.2	1 3.1	1 6.4	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Diseases of heart (390-398, 402, 404, 410-429)	41 405.9	30 452.0	11 . .	184 387.1	129 405.2	55 350.5	146 362.4	128 343.7	18 . .	115 346.4	111 351.0	4 . .
Active rheumatic fever and chronic rheumatic heart disease (390-398)	1 9.9	1 15.1	. . . .	3 6.3	2 6.3	1 6.4	5 12.4	5 13.4	. . . .	1 3.0	1 3.2	. . . .
Hypertensive heart disease (402)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Hypertensive heart & renal disease (404)	. . . .	. . . .	. . . .	1 2.1	1 3.1	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Ischemic heart disease (410-414)	38 376.2	29 436.9	9 . .	168 353.4	121 380.0	47 299.5	130 322.7	115 308.8	15 . .	109 328.4	105 332.1	4 . .
Other forms of heart disease (420-429)	2 19.8	. . . .	2 . .	12 25.2	5 15.7	7 44.6	11 27.3	8 21.5	3 . .	5 15.1	5 15.8	. . . .
Hypertension (400, 401, 403)	1 9.9	1 15.1	. . . .	2 4.2	1 3.1	1 6.4	3 7.4	2 5.4	1 . .	1 3.0	1 3.2	. . . .
Cerebrovascular disease (430-438)	17 168.3	14 210.9	3 . .	108 227.2	62 194.7	46 293.1	38 94.3	33 88.6	5 . .	24 72.3	23 72.7	1 . .
Arteriosclerosis (440)	3 29.7	1 15.1	2 . .	19 40.0	9 28.3	10 63.7	7 17.4	7 18.8	. . . .	4 12.0	4 12.6	. . . .
Other diseases of arteries, arterioles and capillaries (441-448)	4 39.6	2 30.1	2 . .	5 10.5	5 15.7	. . . .	5 12.4	4 10.7	1 . .	5 15.1	5 15.8	. . . .
Acute bronchitis & bronchiolitis (466)	. . . .	. . . .	. . . .	1 2.1	. . . .	1 6.4	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Influenza (470-474)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Pneumonia (480-486)	4 39.6	4 60.3	. . . .	4 8.4	3 9.4	1 6.4	14 34.7	14 37.6	. . . .	14 42.2	14 44.3	. . . .
Chronic & unqual. bronchitis (490, 491)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	1 2.5	1 2.7	. . . .	. . . .	. . . .	. . . .
Emphysema (492)	. . . .	. . . .	. . . .	2 4.2	2 6.3	. . . .	5 12.4	5 13.4	. . . .	3 9.0	3 9.5	. . . .
Asthma (493)	. . . .	. . . .	. . . .	2 4.2	. . . .	2 12.7	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Peptic ulcer (531-533)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	1 2.5	1 2.7	. . . .	. . . .	. . . .	. . . .
Appendicitis (540-543)	. . . .	. . . .	. . . .	1 2.1	. . . .	1 6.4	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Hernia & intestinal obstruction (550-553, 560)	1 9.9	. . . .	1 . .	2 4.2	1 3.1	1 6.4	. . . .	. . . .	. . . .	2 6.0	2 6.3	. . . .
Cirrhosis of liver (571)	1 9.9	. . . .	1 . .	11 23.1	10 31.4	1 6.4	14 34.7	14 37.6	. . . .	3 9.0	3 9.5	. . . .
Cholelithiasis, cholecystitis and cholangitis (574, 575)	. . . .	. . . .	. . . .	3 6.3	1 3.1	2 12.7	2 5.0	2 5.4	. . . .	4 12.0	4 12.6	. . . .
Acute nephritis and nephrotic syndrome (580, 581)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	1 2.5	1 2.7	. . . .	1 3.0	1 3.2	. . . .
Chronic and unqual. nephritis and renal sclerosis (582-584)	1 9.9	. . . .	1 . .	2 4.2	2 6.3	. . . .	1 2.5	1 2.7	. . . .	3 9.0	3 9.5	. . . .
Infections of kidney (590)	. . . .	. . . .	. . . .	3 6.3	2 6.3	1 6.4	. . . .	. . . .	. . . .	1 3.0	1 3.2	. . . .
Hyperplasia of prostate (600)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Complications of pregnancy, childbirth and the puerperium (630-678)	1 61.0	. . . .	1 117.6	1 2.1	. . . .	1 6.4	3 7.4	2 5.4	1 . .	. . . .	. . . .	. . . .
Congenital anomalies (740-759)	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	1 9.9	. . . .	1 . .	2 4.2	1 3.1	1 6.4	1 2.5	1 2.7	. . . .	3 9.0	3 9.5	. . . .
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	1 9.9	1 15.1	. . . .	3 6.3	2 6.3	1 6.4	3 7.4	3 8.1	. . . .	1 3.0	1 3.2	. . . .
Symptoms & ill-defined conditions (780-796)	1 9.9	. . . .	1 . .	8 16.8	1 3.1	7 44.6	15 37.2	13 34.9	2 . .	1 3.0	1 3.2	. . . .
All other diseases	3 29.7	1 15.1	2 . .	28 58.9	15 47.1	13 82.8	24 59.6	21 56.4	3 . .	27 81.3	27 85.4	. . . .
Motor vehicle accidents (810-823)	2 19.8	1 15.1	1 . .	11 23.1	8 25.1	3 19.1	7 17.4	7 18.8	. . . .	13 39.2	13 41.1	. . . .
Other accidents (800-807, 825-949)	3 29.7	2 30.1	1 . .	12 25.2	6 18.8	6 38.2	19 47.2	19 51.0	. . . .	11 33.1	11 34.8	. . . .
Suicide (950-959)	2 19.8	2 30.1	. . . .	4 8.4	4 12.6	. . . .	6 14.9	6 16.1	. . . .	9 27.1	9 28.5	. . . .
Homicide (960-978)	3 29.7	1 15.1	2 . .	6 12.6	. . . .	6 38.2	2 5.0	2 5.4	. . . .	5 15.1	4 12.6	1 . .
Other external causes (980-999)	. . . .	. . . .	. . . .	2 4.2	1 3.1	1 6.4	3 7.4	3 8.1	. . . .	. . . .	. . . .	. . . .

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1978

Estimated Population, July 1, 1978	KNOXVILLE						LEBANON						MCMINNVILLE						MARYVILLE					
	TOTAL 185,236		WHITE 161,071		NONWHITE 24,165		TOTAL 13,582		WHITE 11,546		NONWHITE 2,036		TOTAL 10,916		WHITE 10,209		NONWHITE 707		TOTAL 20,529		WHITE 20,025		NONWHITE 504	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	2,286	12.3	1,775	11.0	511	21.1	217	16.0	164	14.2	53	26.0	168	15.4	161	15.8	7	9.9	212	10.3	200	10.0	12	23.8
In hospitals	2,268	....	1,760	....	508	....	217	....	164	....	53	....	166	....	159	....	7	....	212	....	200	....	12	....
Attended by physicians not in hospitals	5	....	4	....	1	....	....	....	....	....	....	....	2	....	2	....	....	....	....	....	....	....	....	....
Attended by midwives not in hospitals	10	....	8	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Attended by others or unspecified not in hospital	3	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
ILLEGITIMATE BIRTHS	499	21.8	211	11.9	288	56.4	48	22.1	18	11.0	30	56.6	16	9.5	11	6.8	5	....	40	18.9	32	16.0	8	66.7
LOW-WEIGHT BIRTHS (2500 grams or less)	214	9.4	139	7.8	75	14.7	20	9.2	12	7.3	8	15.1	10	6.0	10	6.2	....	....	14	6.6	14	7.0	....	....
FETAL DEATHS	28	12.2	14	7.9	14	27.4	4	18.4	2	12.2	2	37.7	2	11.9	2	12.4	....	....	4	18.9	4	20.0	....	....
INFANT DEATHS (Under one year of age)	33	14.4	24	13.5	9	17.6	5	23.0	1	6.1	4	75.5	2	11.9	2	12.4	....	....	2	9.4	2	10.0	....	....
Neonatal Deaths (Under 28 days of age)	25	10.9	17	9.6	8	15.7	4	18.4	1	6.1	3	56.6	1	6.0	1	6.2	....	....	2	9.4	2	10.0	....	....
Under 7 days of age	20	....	13	....	7	....	4	....	1	....	3	....	1	....	1	....	....	....	2	....	2	....	....	....
7-27 days of age	5	....	4	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	1,870	10.1	1,615	10.0	255	10.6	148	10.9	115	10.0	33	16.2	136	12.5	127	12.4	9	12.7	218	10.6	210	10.5	8	15.9
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	2	1.1	2	1.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tuberculosis, all forms (010-019)	4	2.2	4	2.5	....	....	....	....	....	....	....	....	1	9.2	....	....	1	....	1	4.9	1	5.0	....	....
of respiratory system (010-012)	2	1.1	2	1.2	....	....	....	....	....	....	....	....	1	9.2	....	....	1	....	1	4.9	1	5.0	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Septicemia (038)	4	2.2	3	1.9	1	4.1	....	....	....	....	....	....	1	9.2	1	9.8	....	....	....	....	....	....	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	1	0.5	1	0.6	....	....	1	7.4	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Malignant neoplasms (140-209)	384	207.3	332	206.1	52	215.2	15	110.4	15	129.9	....	....	20	183.2	19	186.1	1	....	52	253.4	50	249.7	2	....
Buccal cavity & pharynx (140-149)	6	3.2	6	3.7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Digestive org. & peritoneum (150-159)	83	44.8	67	41.6	16	66.2	2	14.7	2	17.3	....	....	3	27.5	3	29.4	....	....	14	68.2	12	59.9	2	....
Respiratory system (160-163)	114	61.5	101	62.7	13	53.8	6	44.2	6	52.0	....	....	6	55.0	6	58.8	....	....	12	58.5	12	59.9	....	....
Breast (174)	36	19.4	32	19.9	4	16.6	1	7.4	1	8.7	....	....	1	9.2	....	....	1	....	12	58.5	12	59.9	....	....
Female genital organs (180-184)	29	15.7	27	16.8	2	8.3	2	14.7	2	17.3	....	....	1	9.2	1	9.8	....	....	5	24.4	5	25.0	....	....
Male genital organs (185-187)	22	11.9	17	10.6	5	20.7	1	7.4	1	8.7	....	....	1	9.2	1	9.8	....	....	....	....	....	....	....	....
Urinary organs (188, 189)	13	7.0	12	7.5	1	4.1	....	....	....	....	....	....	....	....	....	....	....	....	1	4.9	1	5.0	....	....
Other & unspecified sites (170-173, 190-199	44	23.8	39	24.2	5	20.7	1	7.4	1	8.7	....	....	6	55.0	6	58.8	....	....	8	39.0	8	40.0	....	....
Lymphatic and hematopoietic tissue (200-209)	37	20.0	31	19.2	6	24.8	2	14.7	2	17.3	....	....	2	18.3	2	19.6	....	....	....	....	....	....	....	....
Benign and unspecified neoplasms (210-239)	4	2.2	2	1.2	2	8.3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diabetes mellitus (250)	21	11.3	16	9.9	5	20.7	3	22.1	1	8.7	2	....	2	18.3	2	19.6	....	....	1	4.9	....	....	1	....
Avitaminoses and other nutritional deficiencies (260-269)	4	2.2	3	1.9	1	4.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Anemias (280-285)	3	1.6	2	1.2	1	4.1	....	....	....	....	....	....	1	9.2	....	....	1	....	....	....	....	....	....	....
Meningitis (320)	2	1.1	1	0.6	1	4.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	507	273.7	451	280.0	56	231.7	56	412.3	44	381.1	12	....	61	558.8	58	568.1	3	....	61	297.1	58	289.6	3	....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	8	4.3	6	3.7	2	8.3	....	....	....	....	....	....	2	18.3	2	19.6	....	....	....	....	....	....	....	....
Hypertensive heart disease (402)	2	1.1	2	1.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hypertensive heart & renal disease (404)	1	0.5	....	....	1	4.1	....	....	....	....	....	....	1	9.2	1	9.8	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	460	248.3	410	254.5	50	206.9	48	353.4	37	320.5	11	....	53	485.5	51	499.6	2	....	58	282.5	55	274.7	3	....
Other forms of heart disease (420-429)	36	19.4	33	20.5	3	12.4	8	58.9	7	60.6	1	....	5	45.8	4	39.2	1	....	3	14.6	3	15.0	....	....
Hypertension (400, 401, 403)	5	2.7	5	3.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Cerebrovascular disease (430-438)	180	97.2	159	98.7	21	86.9	32	235.6	24	207.9	8	....	12	109.9	10	98.0	2	....	30	146.1	30	149.8	....	....
Arteriosclerosis (440)	15	8.1	14	8.7	1	4.1	1	7.4	1	8.7	....	....	2	18.3	2	19.6	....	....	8	39.0	8	40.0	....	....
Other diseases of arteries, arterioles and capillaries (441-448)	24	13.0	21	13.0	3	12.4	3	22.1	3	26.0	....	....	....	....	....	....	....	....	6	29.2	6	30.0	....	....
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	3	1.6	3	1.9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	4.9	1	5.0	....	....
Pneumonia (480-486)	59	31.9	53	32.9	6	24.8	4	29.5	3	26.0	1	....	1	9.2	1	9.8	....	....	10	48.7	10	49.9	....	....
Chronic & unqual. bronchitis (490,491)	5	2.7	4	2.5	1	4.1	....	....	....	....	....	....	1	9.2	1	9.8	....	....	....	....	....	....	....	....
Emphysema (492)	10	5.4	10	6.2	....	....	7	51.5	6	52.0	1	....	....	....	....	....	....	....	4	19.5	3	15.0	1	....
Asthma (493)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	4.9	1	5.0	....	....
Peptic ulcer (531-533)	4	2.2	4	2.5	....	....	1	7.4	1	8.7	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Appendicitis (540-543)	1	0.5	1	0.6	....	....	1	7.4	1	8.7	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hernia & intestinal obstruction (550-553, 560)	3	1.6	2	1.2	1	4.1	....	....	....	....	....	....	1	9.2	1	9.8	....	....	....	....	....	....	....	....
Cirrhosis of liver (571)	24	13.0	23	14.3	1	4.1	3	22.1	2	17.3	1	....	2	18.3	2	19.6	....	....	2	9.7	2	10.0	....	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	2	1.1	1	0.6	1	4.1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Acute nephritis and nephrotic syndrome (580, 581)	2	1.1	2	1.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	4.9	1	5.0	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	10	5.4	7	4.3	3	12.4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Infections of kidney (590)	2	1.1	1	0.6	1	4.1	....	....	....	....	....	....	....	....	....	....	....	....	2	9.7	2	10.0	....	....
Hyperplasia of prostate (600)	2	1.1	2	1.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	8	4.3	7	4.3	1	4.1	....	....	....	....	....	....	1	9.2	1	9.8	....	....	1	4.9	....	....	1	....
Difficult labor, birth injury and anoxic and hypoxic conditions (764-768, 772, 776)	10	5.4	6	3.7	4	16.6	....	....	....	....	....	....	1	9.2	1	9.8	....	....	1	4.9	1	5.0	....	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	7	3.8	4	2.5	3	12.4	4	29.5	1	8.7	3	....	....	....	....	....	....	....	1	4.9	1	5.0	....	....
Symptoms & ill-defined conditions (780-796)	293	158.2	239	148.4	54	223.5	1	7.4	....	....	1	....	6	55.0	6	58.8	....	....	2	9.7	2	10.0	....	....
All other diseases	119	64.2	106	65.8	13	53.8	8	58.9	6	52.0	2	....	13	119.1	12	117.5	1	....	16	77.9	16	79.9	....	....
Motor vehicle accidents (810-823)	49	26.5	44	27.3	5	20.7	2	14.7	2	17.3	....	....	5	45.8	5	49.0	....	....	8	39.0	8	40.0	....	....
Other accidents (800-807, 825-949)	49	26.5	41	25.5	8	33.1	1	7.4	1	8.7	....	....	4	36.6	4	39.2	....	....	8	39.0	8	40.0	....	....
Suicide (950-959)	26	14.0	25	15.5	1	4.1	2	14.7	2	17.3	....	....	....	....	....	....	....	....	1	4.9	1	5.0	....	....
Homicide (960-978)	17	9.2	10	6.2	7	29.0	2	14.7	1	8.7	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Other external causes (980-999)	5	2.7	4	2.5	1	4.1	1	7.4	1	8.7	....	....	1	9.2	1	9.8	....	....	....	....	....	....	....	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
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TABLE VII (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1978

	MEMPHIS						MILLINGTON						MORRISTOWN						MURFREESBORO					
Estimated Population, July 1, 1978	TOTAL 663,769		WHITE 403,769		NONWHITE 260,072		TOTAL 20,848		WHITE 19,212		NONWHITE 1,636		TOTAL 20,479		WHITE 18,666		NONWHITE 1,813		TOTAL 33,400		WHITE 29,149		NONWHITE 4,251	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	11,055	16.7	4,311	10.7	6,743	25.9	396	19.0	303	15.8	93	56.8	289	14.1	252	13.5	37	20.4	397	11.9	303	10.4	94	22.1
In hospitals	10,862	....	4,289	....	6,573	....	394	....	302	....	92	....	286	....	249	....	37	....	395	....	302	....	93	....
Attended by physicians not in hospitals	183	....	13	....	170	....	2	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Attended by midwives not in hospitals	....	....	....	....	....	....	....	....	....	....	....	....	2	....	2	....	....	....	....	....	....	....	....	....
Attended by others or unspecified not in hospital	10	....	9	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	2	....	1	....	1	....
ILLEGITIMATE BIRTHS	4,092	37.0	284	6.6	3,808	56.5	53	13.4	17	5.6	36	38.7	43	14.9	25	9.9	18	48.6	79	19.9	26	8.6	53	56.4
LOW-WEIGHT BIRTHS (2500 grams or less)	1,223	11.1	297	6.9	926	13.7	36	9.1	23	7.6	13	14.0	25	8.7	19	7.5	6	16.2	30	7.6	17	5.6	13	13.8
FETAL DEATHS	134	12.1	37	8.6	97	14.4	4	10.1	2	6.6	2	21.5	2	6.9	2	7.9	....	....	5	12.6	3	9.9	2	21.3
INFANT DEATHS (Under one year of age)	175	15.8	60	13.9	115	17.1	8	20.2	8	26.4	....	....	4	13.8	2	7.9	2	54.1	3	7.6	1	3.3	2	21.3
Neonatal Deaths (Under 28 days of age)	128	11.6	43	10.0	85	12.6	6	15.2	6	19.8	....	....	2	6.9	....	....	2	54.1	2	5.0	....	....	2	21.3
Under 7 days of age	110	....	38	....	72	....	5	....	5	....	....	....	2	....	....	....	2	....	2	....	....	....	2	....
7-27 days of age	18	....	5	....	13	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	1	0.9	1	2.3																				
TOTAL DEATHS	5,761	8.7	3,169	7.8	2,592	10.0	56	2.7	44	2.3	12	7.3	216	10.5	197	10.6	19	10.5	230	6.9	193	6.6	37	8.7
CAUSE OF DEATH																								
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	7	1.1	....	....	7	2.7	....	....	....	....	....	....	1	4.9	1	5.4	....	....	....	....	....	....	....	....
Tuberculosis, all forms (010-019)	7	1.1	2	0.5	5	1.9	....	....	....	....	....	....	1	4.9	1	5.4	....	....	....	....	....	....	....	....
of respiratory system (010-012)	5	0.8	1	0.2	4	1.5	....	....	....	....	....	....	1	4.9	1	5.4	....	....	....	....	....	....	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	1	0.2	1	0.2																				
Septicemia (038)	54	8.1	16	4.0	38	14.6	1	4.8	1	5.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	1	0.2	1	0.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	15	2.3	4	1.0	11	4.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Malignant neoplasms (140-209)	1,262	190.1	742	183.8	520	199.9	7	33.6	7	36.4	....	....	40	195.3	36	192.9	4	....	45	134.7	40	137.2	5	....
Buccal cavity & pharynx (140-149)	26	3.9	16	4.0	10	3.8	....	....	....	....	....	....	3	14.6	3	16.1	....	....	1	3.0	1	3.4	....	....
Digestive org. & peritoneum (150-159)	310	46.7	184	45.6	126	48.4	3	14.4	3	15.6	....	....	6	29.3	3	16.1	3	....	9	26.9	8	27.4	1	....
Respiratory system (160-163)	331	49.9	223	55.2	108	41.5	2	9.6	2	10.4	....	....	11	53.7	11	58.9	....	....	9	26.9	8	27.4	1	....
Breast (174)	112	16.9	68	16.8	44	16.9	1	4.8	1	5.2	....	....	4	19.5	4	21.4	....	....	10	29.9	8	27.4	2	....
Female genital organs (180-184)	72	10.8	40	9.9	32	12.3	....	....	....	....	....	....	2	9.8	2	10.7	....	....	3	9.0	3	10.3	....	....
Male genital organs (185-187)	74	11.1	30	7.4	44	16.9	....	....	....	....	....	....	1	4.9	....	....	1	....	2	6.0	2	6.9	....	....
Urinary organs (188, 189)	43	6.5	21	5.2	22	8.5	1	4.8	1	5.2	....	....	1	4.9	1	5.4	....	....	4	12.0	4	13.7	....	....
Other & unspecified sites (170-173, 190-199)	175	26.4	88	21.8	87	33.5	....	....	....	....	....	....	7	34.2	7	37.5	....	....	4	12.0	4	13.7	....	....
Lymphatic and hematopoietic tissue (200-209)	119	17.9	72	17.8	47	18.1	....	....	....	....	....	....	5	24.4	5	26.8	....	....	3	9.0	2	6.9	1	....
Benign and unspecified neoplasms (210-239)	11	1.7	4	1.0	7	2.7	1	4.8	1	5.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diabetes mellitus (250)	74	11.1	27	6.7	47	18.1	2	9.6	2	10.4	....	....	5	24.4	3	16.1	2	....	2	6.0	....	....	2	....
Avitaminoses and other nutritional deficiencies (260-269)	6	0.9	2	0.5	4	1.5	1	4.8	1	5.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Anemias (280-285)	13	2.0	7	1.7	6	2.3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningitis (320)	3	0.5	....	....	3	1.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	2,057	309.9	1,148	284.4	909	349.5	17	81.5	12	62.5	5	....	67	327.2	64	342.9	3	....	77	230.5	65	223.0	12	....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	32	4.8	24	5.9	8	3.1	....	....	....	....	....	....	1	4.9	1	5.4	....	....	2	6.0	2	6.9	....	....
Hypertensive heart disease (402)	16	2.4	3	0.7	13	5.0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	....	....	....	....	....	....	1	4.9	1	5.4	....	....	....	....	....	....	....	....
Ischemic heart disease (410-414)	1,865	281.0	1,053	260.8	812	312.2	16	76.7	12	62.5	4	....	61	297.9	58	310.7	3	....	74	221.6	62	212.7	12	....
Other forms of heart disease (420-429)	144	21.7	68	16.8	76	29.2	1	4.8	....	....	1	....	4	19.5	4	21.4	....	....	1	3.0	1	3.4	....	....
Hypertension (400, 401, 403)	12	1.8	5	1.2	7	2.7	....	....	....	....	....	....	1	4.9	1	5.4	....	....	2	6.0	2	6.9	....	....
Cerebrovascular disease (430-438)	614	92.5	336	83.2	278	106.9	6	28.8	3	15.6	3	....	39	190.4	34	182.1	5	....	33	98.8	27	92.6	6	....
Arteriosclerosis (440)	75	11.3	42	10.4	33	12.7	....	....	....	....	....	....	2	9.8	2	10.7	....	....	1	3.0	1	3.4	....	....
Other diseases of arteries, arterioles and capillaries (441-448)	71	10.7	46	11.4	25	9.6	1	4.8	....	....	1	....	3	14.6	3	16.1	....	....	5	15.0	4	13.7	1	....
Acute bronchitis & bronchiolitis (466)	4	0.6	2	0.5	2	0.8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Influenza (470-474)	3	0.5	3	0.7	....	....	....	....	....	....	....	....	2	9.8	2	10.7	....	....	1	3.0	1	3.4	....	....
Pneumonia (480-486)	139	20.9	80	19.8	59	22.7	3	14.4	2	10.4	1	....	8	39.1	8	42.9	....	....	6	18.0	5	17.2	1	....
Chronic & unqual. bronchitis (490, 491)	18	2.7	15	3.7	3	1.2	....	....	....	....	....	....	....	....	....	....	....	....	1	3.0	1	3.4	....	....
Emphysema (492)	22	3.3	19	4.7	3	1.2	....	....	....	....	....	....	2	9.8	2	10.7	....	....	4	12.0	4	13.7	....	....
Asthma (493)	5	0.8	2	0.5	3	1.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	14	2.1	10	2.5	4	1.5	....	....	....	....	....	....	2	9.8	2	10.7	....	....	....	....	....	....	....	....
Appendicitis (540-543)	2	0.3	....	....	2	0.8	....	....	....	....	....	....	....	....	....	....	....	....	1	3.0	....	....	1	....
Hernia & intestinal obstruction (550-553, 560)	18	2.7	10	2.5	8	3.1	1	4.8	1	5.2	....	....	1	4.9	1	5.4	....	....	1	3.0	....	....	1	....
Cirrhosis of liver (571)	75	11.3	48	11.9	27	10.4	1	4.8	1	5.2	....	....	5	24.4	5	26.8	....	....	2	6.0	2	6.9	....	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	9	1.4	6	1.5	3	1.2	....	....	....	....	....	....	2	9.8	2	10.7	....	....	....	....	....	....	....	....
Acute nephritis and nephrotic syndrome (580, 581)	9	1.4	3	0.7	6	2.3	....	....	....	....	....	....	....	....	....	....	....	....	1	3.0	1	3.4	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	37	5.6	8	2.0	29	11.2	....	....	....	....	....	....	1	4.9	1	5.4	....	....	....	....	....	....	....	....
Infections of kidney (590)	12	1.8	7	1.7	5	1.9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hyperplasia of prostate (600)	2	0.3	....	....	2	0.8	....	....	....	....	....	....	....	....	....	....	....	....	2	6.0	1	3.4	1	....
Complications of pregnancy, childbirth and the puerperium (630-678)	1	0.9	1	2.3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	50	7.5	24	5.9	26	10.0	3	14.4	3	15.6	....	....	1	4.9	1	5.4	....	....	....	....	....	....	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	37	5.6	12	3.0	25	9.6	1	4.8	1	5.2	....	....	1	4.9	....	....	1	....	1	3.0	....	....	1	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	46	6.9	12	3.0	34	13.1	2	9.6	2	10.4	....	....	....	....	....	....	....	....	2	6.0	1	3.4	....	....
Symptoms & ill-defined conditions (780-796)	35	5.3	15	3.7	20	7.7	1	4.8	1	5.2	....	....	3	14.6	2	10.7	1	....	....	....	....	....	....	....
All other diseases	483	72.8	276	68.4	207	79.6	2	9.6	2	10.4	....	....	16	78.1	14	75.0	2	....	19	56.9	16	54.9	3	....
Motor vehicle accidents (810-823)	138	20.8	78	19.3	60	23.1	4	19.2	3	15.6	1	....	3	14.6	2	10.7	1	....	9	26.9	9	30.9	....	....
Other accidents (800-807, 825-949)	133	20.0	77	19.1	56	21.5	2	9.6	1	5.2	1	....	4	19.5	4	21.4	....	....	5	15.0	4	13.7	1	....
Suicide (950-959)	61	9.2	51	12.6	10	3.8	....	....	....	....	....	....	4	19.5	4	21.4	....	....	7	21.0	7	24.0	....	....
Homicide (960-978)	122	18.4	25	6.2	97	37.3	....	....	....	....	....	....	1	4.9	1	5.4	....	....	3	9.0	2	6.9	1	....
Other external causes (980-999)	3	0.5	2	0.5	1	0.4	....	....	....	....	....	....	1	4.9	1	5.4	....	....	....	....	....	....	....	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1978

Estimated Population, July 1, 1978	NASHVILLE			OAK RIDGE			RED BANK			SHELBYVILLE		
	TOTAL 451,200	WHITE 361,340	NONWHITE 89,860	TOTAL 27,543	WHITE 25,786	NONWHITE 1,757	TOTAL 15,043	WHITE 14,999	NONWHITE 44	TOTAL 11,845	WHITE 10,262	NONWHITE 1,583
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	7,027 15.6	4,927 13.6	2,099 23.4	282 10.2	233 9.0	49 27.9	21 1.4	21 1.4		196 16.5	148 14.4	48 30.3
In hospitals	7,002	4,910	2,091	279	230	49	21	21		195	148	47
Attended by physicians not in hospitals	3	2	1							1		1
Attended by midwives not in hospitals	7	5	2	3	3							
Attended by others or unspecified not in hospital	15	10	5									
ILLEGITIMATE BIRTHS	1,566 22.3	415 8.4	1,150 54.8	44 15.6	18 7.7	26 53.1				46 23.5	20 13.5	26 54.2
LOW-WEIGHT BIRTHS (2500 grams or less)	622 8.9	339 6.9	283 13.5	15 5.3	11 4.7	4 8.2				23 11.7	13 8.8	10 20.8
FETAL DEATHS	69 9.8	42 8.5	27 12.9	2 7.1	1 4.3	1 20.4				3 15.3	1 6.8	2 41.7
INFANT DEATHS (Under one year of age)	99 14.1	54 11.0	45 21.4	4 14.2	4 17.2		4 190.5	4 190.5		6 30.6	4 27.0	2 41.7
Neonatal Deaths (Under 28 days of age)	69 9.8	36 7.3	33 15.7	2 7.1	2 8.6		2 95.2	2 95.2		3 15.3	2 13.5	1 20.8
Under 7 days of age	56	27	29	2	2		1	1		2	2	
7-27 days of age	13	9	4				1	1		1		1
MATERNAL DEATHS (ICDA codes 630-678)	1 1.4		1 4.8	1 35.5		1 204.1						
TOTAL DEATHS	3,802 8.4	2,841 7.9	961 10.7	184 6.7	170 6.6	14 8.0	92 6.1	92 6.1		177 14.9	156 15.2	21 13.3
CAUSE OF DEATH												
Typhoid fever (001)												
Bacillary dysentery and amebiasis (004, 006)	1 0.2		1 1.1									
Enteritis & other diarrheal diseases (008, 009)	6 1.3	3 0.8	3 3.3									
Tuberculosis, all forms (010-019)	10 2.2	6 1.7	4 4.5									
of respiratory system (010-012)	6 1.3	3 0.8	3 3.3									
Diphtheria (032)												
Whooping cough (033)												
Strep. sore throat & scarlet fever (034)												
Meningococcal infection (036)	5 1.1	4 1.1	1 1.1									
Septicemia (038)	15 3.3	7 1.9	8 8.9	2 7.3	2 7.8							
Acute poliomyelitis (040-043)												
Measles (055)												
Viral encephalitis (062-065)												
Rocky Mtn. spotted fever (082.0)												
Syphilis & its sequelae (090-097)												
Other infective & parasitic diseases (remainder of 000-136)	6 1.3	2 0.6	4 4.5	1 3.6	1 3.9							
Malignant neoplasms (140-209)	809 179.3	617 170.8	192 213.7	41 148.9	39 151.2	2	19 126.3	19 126.7		27 227.9	24 233.9	3
Buccal cavity & pharynx (140-149)	21 4.7	15 4.2	6 6.7							1 8.4	1 9.7	
Digestive org. & peritoneum (150-159)	190 42.1	134 37.1	56 62.3	9 32.7	8 31.0	1	5 33.2	5 33.3		9 76.0	6 58.5	3
Respiratory system (160-163)	227 50.3	184 50.9	43 47.9	15 54.5	15 58.2		7 46.5	7 46.7		9 76.0	9 87.7	
Breast (174)	48 10.6	40 11.1	8 8.9	6 21.8	6 23.3		2 13.3	2 13.3		1 8.4	1 9.7	
Female genital organs (180-184)	50 11.1	37 10.2	13 14.5	4 14.5	4 15.5		1 6.6	1 6.7		1 8.4	1 9.7	
Male genital organs (185-187)	47 10.4	29 8.0	18 20.0	1 3.6		1	1 6.6	1 6.7		1 8.4	1 9.7	
Urinary organs (188, 189)	38 8.4	27 7.5	11 12.2	1 3.6	1 3.9					2 16.9	2 19.5	
Other & unspecified sites (170-173, 190-199)	118 26.2	93 25.7	25 27.8	2 7.3	2 7.8		1 6.6	1 6.7		2 16.9	2 19.5	
Lymphatic and hematopoietic tissue (200-209)	70 15.5	58 16.1	12 13.4	3 10.9	3 11.6		2 13.3	2 13.3		1 8.4	1 9.7	
Benign and unspecified neoplasms (210-239)	3 0.7	1 0.3	2 2.2	1 3.6	1 3.9					1 8.4	1 9.7	
Diabetes mellitus (250)	69 15.3	43 11.9	26 28.9	1 3.6	1 3.9		2 13.3	2 13.3		1 8.4		1
Avitaminoses and other nutritional deficiencies (260-269)	10 2.2	7 1.9	3 3.3				1 6.6	1 6.7				
Anemias (280-285)	11 2.4	5 1.4	6 6.7									
Meningitis (320)	2 0.4	2 0.6		1 3.6	1 3.9							
Diseases of heart (390-398, 402, 404, 410-429)	1,325 293.7	1,037 287.0	288 320.5	49 177.9	48 186.1	1	38 252.6	38 253.4		57 481.2	54 526.2	3
Active rheumatic fever and chronic rheumatic heart disease (390-398)	18 4.0	17 4.7	1 1.1	2 7.3	2 7.8		1 6.6	1 6.7				
Hypertensive heart disease (402)	10 2.2	6 1.7	4 4.5									
Hypertensive heart & renal disease (404)	8 1.8	4 1.1	4 4.5									
Ischemic heart disease (410-414)	1,196 265.1	938 259.6	258 287.1	45 163.4	44 170.6	1	34 226.0	34 226.7		48 405.2	46 448.3	2
Other forms of heart disease (420-429)	93 20.6	72 19.9	21 23.4	2 7.3	2 7.8		3 19.9	3 20.0		9 76.0	8 78.0	1
Hypertension (400, 401, 403)	12 2.7	3 0.8	9 10.0				1 6.6	1 6.7		2 16.9	2 19.5	
Cerebrovascular disease (430-438)	371 82.2	257 71.1	114 126.9	14 50.8	12 46.5	2	11 73.1	11 73.3		26 219.5	21 204.6	5
Arteriosclerosis (440)	71 15.7	62 17.2	9 10.0				1 6.6	1 6.7				
Other diseases of arteries, arterioles and capillaries (441-448)	52 11.5	39 10.8	13 14.5	3 10.9	3 11.6		1 6.6	1 6.7		3 25.3	3 29.2	
Acute bronchitis & bronchiolitis (466)	1 0.2	1 0.3										
Influenza (470-474)	2 0.4	1 0.3	1 1.1									
Pneumonia (480-486)	96 21.3	69 19.1	27 30.0	9 32.7	8 31.0	1	2 13.3	2 13.3		9 76.0	8 78.0	1
Chronic & unqual. bronchitis (490, 491)	6 1.3	6 1.7								2 16.9	2 19.5	
Emphysema (492)	64 14.2	53 14.7	11 12.2	1 3.6	1 3.9		1 6.6	1 6.7		5 42.2	5 48.7	
Asthma (493)	3 0.7	1 0.3	2 2.2									
Peptic ulcer (531-533)	9 2.0	8 2.2	1 1.1	2 7.3	2 7.8		1 6.6	1 6.7		1 8.4	1 9.7	
Appendicitis (540-543)	1 0.2		1 1.1									
Hernia & intestinal obstruction (550-553, 560)	13 2.9	10 2.8	3 3.3									
Cirrhosis of liver (571)	53 11.7	40 11.1	13 14.5	2 7.3	2 7.8		1 6.6	1 6.7		2 16.9	2 19.5	
Cholelithiasis, cholecystitis and cholangitis (574, 575)	6 1.3	5 1.4	1 1.1									
Acute nephritis and nephrotic syndrome (580, 581)	3 0.7	1 0.3	2 2.2									
Chronic and unqual. nephritis and renal sclerosis (582-584)	23 5.1	6 1.7	17 18.9									
Infections of kidney (590)	15 3.3	12 3.3	3 3.3	1 3.6	1 3.9					1 8.4		1
Hyperplasia of prostate (600)	5 1.1	4 1.1	1 1.1									
Complications of pregnancy, childbirth and the puerperium (630-678)	1 1.4		1 4.8	1 35.5		1 204.1						
Congenital anomalies (740-759)	26 5.8	19 5.3	7 7.8	2 7.3	2 7.8		1 6.6	1 6.7		1 8.4	1 9.7	
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	24 5.3	17 4.7	7 7.8							3 25.3	2 19.5	1
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	26 5.8	8 2.2	18 20.0							1 8.4	1 9.7	
Symptoms & ill-defined conditions (780-796)	12 2.7	10 2.8	2 2.2	17 61.7	13 50.4	4	1 6.6	1 6.7		1 8.4	1 9.7	
All other diseases	283 62.7	210 58.1	73 81.2	14 50.8	13 50.4	1	6 39.9	6 40.0		11 92.9	10 97.4	1
Motor vehicle accidents (810-823)	96 21.3	83 23.0	13 14.5	10 36.3	10 38.8		1 6.6	1 6.7		8 67.5	7 68.2	1
Other accidents (800-807, 825-949)	109 24.2	85 23.5	24 26.7	9 32.7	7 27.1	2	4 26.6	4 26.7		6 50.7	4 39.0	2
Suicide (950-959)	50 11.1	48 13.3	2 2.2	2 7.3	2 7.8					6 50.7	5 48.7	1
Homicide (960-978)	85 18.8	39 10.8	46 51.2	1 3.6	1 3.9					3 25.3	2 19.5	1
Other external causes (980-999)	12 2.7	10 2.8	2 2.2									

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1978

	TULLAHOMA						UNION CITY					
Estimated Population, July 1, 1978	TOTAL 14,635		WHITE 13,764		NONWHITE 871		TOTAL 12,997		WHITE 11,662		NONWHITE 1,335	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	218	14.9	196	14.2	22	25.3	153	11.8	117	10.0	36	27.0
In hospitals	217	....	195	....	22	....	153	....	117	....	36	....
Attended by physicians not in hospitals	1	....	1	....	....	....	....	....	....	....	....	....
Attended by midwives not in hospitals	....	....	....	....	....	....	....	....	....	....	....	....
Attended by others or unspecified not in hospital	....	....	....	....	....	....	....	....	....	....	....	....
ILLEGITIMATE BIRTHS	31	14.2	21	10.7	10	45.5	25	16.3	8	6.8	17	47.2
LOW-WEIGHT BIRTHS (2500 grams or less)	24	11.0	23	11.7	1	4.5	6	3.9	5	4.3	1	2.8
FETAL DEATHS	1	4.6	1	5.1	....	....	1	6.5	1	8.5	....	....
INFANT DEATHS (Under one year of age)	1	4.6	....	....	1	45.5	2	13.1	2	17.1	....	....
Neonatal Deaths (Under 28 days of age)	1	4.6	....	....	1	45.5	2	13.1	2	17.1	....	....
Under 7 days of age	1	....	....	....	1	....	2	....	2	....	....	....
7-27 days of age	....	....	....	....	....	....	....	....	....	....	....	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	....	....	....	....	....	....
TOTAL DEATHS	129	8.8	117	8.5	12	13.8	133	10.2	113	9.7	20	15.0
CAUSE OF DEATH												
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	....	....	....	....	....	....	....	....	....	....	....	....
Tuberculosis, all forms (010-019)	1	6.8	....	....	1	....	1	7.7	1	8.6	....	....
of respiratory system (010-012)	1	6.8	....	....	1	....	1	7.7	1	8.6	....	....
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	1	6.8	1	7.3	....	....	....	....	....	....	....	....
Septicemia (038)	....	....	....	....	....	....	....	....	....	....	....	....
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	....	....	....	....	....	....	....	....	....	....	....	....
Malignant neoplasms (140-209)	33	225.5	30	218.0	3	....	26	200.0	23	197.2	3	....
Buccal cavity & pharynx (140-149)	....	....	....	....	....	....	2	15.4	2	17.1	....	....
Digestive org. & peritoneum (150-159)	9	61.5	9	65.4	....	....	8	61.6	7	60.0	1	....
Respiratory system (160-163)	12	82.0	9	65.4	3	....	4	30.8	3	25.7	1	....
Breast (174)	3	20.5	3	21.8	....	....	1	7.7	....	....	1	....
Female genital organs (180-184)	3	20.5	3	21.8	....	....	....	....	....	....	....	....
Male genital organs (185-187)	2	13.7	2	14.5	....	....	2	15.4	2	17.1	....	....
Urinary organs (188, 189)	....	....	....	....	....	....	....	....	....	....	....	....
Other & unspecified sites (170-173, 190-199)	3	20.5	3	21.8	....	....	4	30.8	4	34.3	....	....
Lymphatic and hematopoietic tissue (200-209)	1	6.8	1	7.3	....	....	5	38.5	5	42.9	....	....
Benign and unspecified neoplasms (210-239)	....	....	....	....	....	....	....	....	....	....	....	....
Diabetes mellitus (250)	5	34.2	3	21.8	2	....	1	7.7	....	....	1	....
Avitaminoses and other nutritional deficiencies (260-269)	2	13.7	2	14.5	....	....	....	....	....	....	....	....
Anemias (280-285)	....	....	....	....	....	....	....	....	....	....	....	....
Meningitis (320)	....	....	....	....	....	....	....	....	....	....	....	....
Diseases of heart (390-398, 402, 404, 410-429)	47	321.1	45	326.9	2	....	49	377.0	43	368.7	6	....
Active rheumatic fever and chronic rheumatic heart disease (390-398)	2	13.7	2	14.5	....	....	....	....	....	....	....	....
Hypertensive heart disease (402)	....	....	....	....	....	....	....	....	....	....	....	....
Hypertensive heart & renal disease (404)	....	....	....	....	....	....	1	7.7	1	8.6	....	....
Ischemic heart disease (410-414)	36	246.0	35	254.3	1	....	43	330.8	38	325.8	5	....
Other forms of heart disease (420-429)	9	61.5	8	58.1	1	....	5	38.5	4	34.3	1	....
Hypertension (400, 401, 403)	....	....	....	....	....	....	....	....	....	....	....	....
Cerebrovascular disease (430-438)	11	75.2	10	72.7	1	....	23	177.0	19	162.9	4	....
Arteriosclerosis (440)	2	13.7	2	14.5	....	....	3	23.1	3	25.7	....	....
Other diseases of arteries, arterioles and capillaries (441-448)	3	20.5	3	21.8	....	....	3	23.1	2	17.2	1	....
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	1	7.7	1	8.6	....	....
Influenza (470-474)	2	13.7	2	14.5	....	....	....	....	....	....	....	....
Pneumonia (480-486)	2	13.7	2	14.5	....	....	....	....	....	....	....	....
Chronic & unqual. bronchitis (490, 491)	1	6.8	1	7.3	....	....	....	....	....	....	....	....
Emphysema (492)	1	6.8	1	7.3	....	....	....	....	....	....	....	....
Asthma (493)	1	6.8	1	7.3	....	....	....	....	....	....	....	....
Peptic ulcer (531-533)	....	....	....	....	....	....	2	15.4	1	8.6	1	....
Appendicitis (540-543)	....	....	....	....	....	....	....	....	....	....	....	....
Hernia & intestinal obstruction (550-553, 560)	....	....	....	....	....	....	....	....	....	....	....	....
Cirrhosis of liver (571)	....	....	....	....	....	....	....	....	....	....	....	....
Cholelithiasis, cholecystitis and cholangitis (574, 575)	....	....	....	....	....	....	....	....	....	....	....	....
Acute nephritis and nephrotic syndrome (580, 581)	1	6.8	1	7.3	....	....	....	....	....	....	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	....	....	....	....	....	....	1	7.7	1	8.6	....	....
Infections of kidney (590)	....	....	....	....	....	....	....	....	....	....	....	....
Hyperplasia of prostate (600)	....	....	....	....	....	....	....	....	....	....	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	....	....	....	....	....	....
Congenital anomalies (740-759)	2	13.7	1	7.3	1	....	....	....	....	....	....	....
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	....	....	....	....	....	....	2	15.4	2	17.1	....	....
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	....	....	....	....	....	....	....	....	....	....	....	....
Symptoms & ill-defined conditions (780-796)	....	....	....	....	....	....	....	....	....	....	....	....
All other diseases	10	68.3	8	58.1	2	....	10	76.9	7	60.0	3	....
Motor vehicle accidents (810-823)	....	....	....	....	....	....	4	30.8	4	34.3	....	....
Other accidents (800-807, 825-949)	3	20.5	3	21.8	....	....	3	23.1	2	17.1	1	....
Suicide (950-959)	1	6.8	1	7.3	....	....	3	23.1	3	25.7	....	....
Homicide (960-978)	....	....	....	....	....	....	....	....	....	....	....	....
Other external causes (980-999)	....	....	....	....	....	....	1	7.7	1	8.6	....	....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VIII—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE HEALTH DEPARTMENT REGIONS, RESIDENT DATA, TENNESSEE 1978

	(1) FIRST TENNESSEE						(2) EAST TENNESSEE						(3) SOUTHEAST TENNESSEE					
Estimated Population, July 1, 1978	TOTAL 396,800		WHITE 387,422		NONWHITE 9,378		TOTAL 803,900		WHITE 762,879		NONWHITE 41,021		TOTAL 467,000		WHITE 409,237		NONWHITE 57,763	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	5,121	12.9	4,999	12.9	120	12.8	11,128	13.8	10,356	13.6	770	18.8	7,409	15.9	6,142	15.0	1,267	21.9
In hospitals	5,100	....	4,978	....	120	....	11,011	....	10,243	....	767	....	7,309	....	6,042	....	1,267	....
Attended by physicians not in hospitals	5	....	5	....	....	....	7	....	6	....	1	....	85	....	83	....	....	....
Attended by midwives not in hospitals	10	....	10	....	....	....	89	....	86	....	2	....	8	....	8	....	....	....
Attended by others or unspecified not in hospital	6	....	6	....	....	....	21	....	21	....	....	....	7	....	7	....	....	....
ILLEGITIMATE BIRTHS	463	9.0	410	8.2	53	44.2	1,322	11.9	934	9.0	388	50.4	1,165	15.7	471	7.7	694	54.8
LOW-WEIGHT BIRTHS (2500 grams or less)	374	7.2	366	7.3	8	6.7	804	7.2	701	6.8	103	13.4	534	7.2	385	6.3	149	11.8
FETAL DEATHS	65	12.7	62	12.4	3	25.0	108	9.7	92	8.9	16	20.8	66	8.9	51	8.3	15	11.8
INFANT DEATHS (Under one year of age)	83	16.2	83	16.6	....	....	163	14.6	149	14.4	14	18.2	117	15.8	85	13.8	32	25.3
Neonatal Deaths (Under 28 days of age)	70	13.7	70	14.0	....	....	107	9.6	95	9.2	12	15.6	91	12.3	65	10.6	26	20.5
Under 7 days of age	57	....	57	....	....	....	82	....	72	....	10	....	68	....	47	....	21	....
7-27 days of age	13	....	13	....	....	....	25	....	23	....	2	....	23	....	18	....	5	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	3	2.7	2	1.9	1	13.0	....	....	....	....	....	....
TOTAL DEATHS	3,376	8.5	3,277	8.5	99	10.6	7,184	8.9	6,785	8.9	399	9.7	4,207	9.0	3,569	8.7	638	11.0
CAUSE OF DEATH																		
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	1	0.1	1	0.1	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	2	0.5	2	0.5	....	....	9	1.1	9	1.2	....	....	10	2.1	6	1.5	4	6.9
Tuberculosis, all forms (010, 019)	7	1.8	7	1.8	....	....	13	1.6	13	1.7	....	....	7	1.5	6	1.5	1	1.7
of respiratory system (010-012)	7	1.8	7	1.8	....	....	9	1.1	9	1.2	....	....	5	1.1	4	1.0	1	1.7
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	2	0.2	2	0.3	....	....	....	....	....	....	....	....
Septicemia (038)	4	1.0	3	0.8	1	10.7	15	1.9	14	1.8	1	2.4	16	3.4	8	2.0	8	13.8
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	6	1.5	6	1.5	....	....	15	1.9	15	2.0	....	....	13	2.8	10	2.4	3	5.2
Malignant neoplasms (140-209)	632	159.3	618	159.5	14	149.3	1,449	180.2	1,368	179.3	81	197.5	804	172.2	678	165.7	126	218.1
Buccal cavity & pharynx (140-149)	8	2.0	8	2.1	....	....	25	3.1	25	3.3	....	....	19	4.1	16	3.9	3	5.2
Digestive org. & peritoneum (150-159)	146	36.8	143	36.9	3	32.0	337	41.9	308	40.4	29	70.7	194	41.5	152	37.1	42	72.7
Respiratory system (160-163)	169	42.6	165	42.6	4	42.7	424	52.7	404	53.0	20	48.8	238	51.0	203	49.6	35	60.6
Breast (174)	62	15.6	58	15.0	4	42.7	127	15.8	121	15.9	6	14.6	53	11.3	49	12.0	4	6.9
Female genital organs (180-184)	37	9.3	37	9.6	....	....	87	10.8	83	10.9	4	9.8	52	11.1	43	10.5	9	15.6
Male genital organs (185-187)	31	7.8	30	7.7	1	10.7	76	9.5	69	9.0	7	17.1	43	9.2	33	8.1	10	17.3
Urinary organs (188, 189)	35	8.8	33	8.5	2	21.3	58	7.2	56	7.3	2	4.9	29	6.2	26	6.4	3	5.2
Other & unspecified sites (170-173, 190-199)	86	21.7	86	22.2	....	....	187	23.3	181	23.7	6	14.6	105	22.5	94	23.0	11	19.0
Lymphatic and hematopoietic tissue (200-209)	58	14.6	58	15.0	....	....	128	15.9	121	15.9	7	17.1	71	15.2	62	15.2	9	15.6
Benign and unspecified neoplasms (210-239)	5	1.3	5	1.3	....	....	14	1.7	11	1.4	3	7.3	5	1.1	4	1.0	1	1.7
Diabetes mellitus (250)	48	12.1	44	11.4	4	42.7	89	11.1	79	10.4	10	24.4	55	11.8	46	11.2	9	15.6
Avitaminoses and other nutritional deficiencies (260-269)	2	0.5	2	0.5	....	....	13	1.6	12	1.6	1	2.4	5	1.1	5	1.2	....	....
Anemias (280-285)	3	0.8	3	0.8	....	....	7	0.9	6	0.8	1	2.4	5	1.1	5	1.2	....	....
Meningitis (320)	....	....	....	....	....	....	8	1.0	6	0.8	2	4.9	3	0.6	1	0.2	2	3.5
Diseases of heart (390-398, 402, 404, 410-429)	1,329	334.9	1,284	331.4	45	479.8	2,291	285.0	2,191	287.2	100	243.8	1,549	331.7	1,342	327.9	207	358.4
Active rheumatic fever and chronic rheumatic heart disease (390-398)	17	4.3	17	4.4	....	....	26	3.2	23	3.0	3	7.3	14	3.0	12	2.9	2	3.5
Hypertensive heart disease (402)	6	1.5	6	1.5	....	....	8	1.0	8	1.0	....	....	15	3.2	10	2.4	5	8.7
Hypertensive heart & renal disease (404)	3	0.8	3	0.8	....	....	16	2.0	15	2.0	1	2.4	2	0.4	2	0.5	....	....
Ischemic heart disease (410-414)	1,211	305.2	1,173	302.8	38	405.2	2,086	259.5	1,995	261.5	91	221.8	1,415	303.0	1,225	299.3	190	328.9
Other forms of heart disease (420-429)	92	23.2	85	21.9	7	74.6	155	19.3	150	19.7	5	12.2	103	22.1	93	22.7	10	17.3
Hypertension (400, 401, 403)	15	3.8	13	3.4	2	21.3	20	2.5	20	2.6	....	....	16	3.4	13	3.2	3	5.2
Cerebrovascular disease (430-438)	331	83.4	322	83.1	9	96.0	755	93.9	716	93.9	39	95.1	484	103.6	415	101.4	69	19.5
Arteriosclerosis (440)	50	12.6	49	12.6	1	10.7	91	11.3	89	11.7	2	4.9	66	14.1	56	13.7	10	17.3
Other diseases of arteries, arterioles and capillaries (441-448)	54	13.6	52	13.4	2	21.3	84	10.4	80	10.5	4	9.8	51	10.9	44	10.8	7	12.1
Acute bronchitis & bronchiolitis (466)	1	0.3	1	0.3	....	....	4	0.5	4	0.5	....	....	1	0.2	....	....	1	1.7
Influenza (470-474)	3	0.8	3	0.8	....	....	12	1.5	11	1.4	1	2.4	10	2.1	9	2.2	1	1.7
Pneumonia (480-486)	106	26.7	104	26.8	2	21.3	236	29.4	228	29.9	8	19.5	123	26.3	98	23.9	25	43.3
Chronic & unqual. bronchitis (490, 491)	6	1.5	6	1.5	....	....	14	1.7	13	1.7	1	2.4	11	2.4	11	2.7	....	....
Emphysema (492)	30	7.6	30	7.7	....	....	68	8.5	67	8.8	1	2.4	40	8.6	38	9.3	2	3.5
Asthma (493)	1	0.3	1	0.3	....	....	6	0.7	6	0.8	....	....	2	0.4	2	0.5	....	....
Peptic ulcer (531-533)	5	1.3	5	1.3	....	....	21	2.6	21	2.8	....	....	12	2.6	12	2.9	....	....
Appendicitis (540-543)	1	0.3	1	0.3	....	....	3	0.4	3	0.4	....	....	2	0.4	2	0.5	....	....
Hernia & intestinal obstruction (550-553, 560)	7	1.8	7	1.8	....	....	17	2.1	15	2.0	2	4.9	9	1.9	9	2.2	....	....
Cirrhosis of liver (571)	35	8.8	34	8.8	1	10.7	77	9.6	75	9.8	2	4.9	47	10.1	35	8.6	12	20.8
Cholelithiasis, cholecystitis and cholangitis (574, 575)	11	2.8	11	2.8	....	....	11	1.4	10	1.3	1	2.4	5	1.1	5	1.2	....	....
Acute nephritis and nephrotic syndrome (580, 581)	4	1.0	4	1.0	....	....	7	0.9	7	0.9	....	....	4	0.9	2	0.5	2	3.5
Chronic and unqual. nephritis and renal sclerosis (582-584)	24	6.0	23	5.9	1	10.7	32	4.0	28	3.7	4	9.8	27	5.8	12	2.9	15	26.0
Infections of kidney (590)	4	1.0	4	1.0	....	....	14	1.7	12	1.6	2	4.9	13	2.8	11	2.7	2	3.5
Hyperplasia of prostate (600)	....	....	....	....	....	....	2	0.2	2	0.3	....	....	2	0.4	2	0.5	....	....
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	3	2.7	2	1.9	1	13.0	....	....	....	....	....	....
Congenital anomalies (740-759)	33	8.3	32	8.3	1	10.7	40	5.0	38	5.0	2	4.9	42	9.0	34	8.3	8	13.8
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	22	5.5	22	5.7	....	....	37	4.6	32	4.2	5	12.2	31	6.6	22	5.4	9	15.6
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	24	6.0	24	6.2	....	....	35	4.4	30	3.9	5	12.2	21	4.5	14	3.4	7	12.1
Symptoms & ill-defined conditions (780-796)	45	11.3	43	11.1	2	21.3	540	67.2	477	62.5	63	153.6	33	7.1	26	6.4	7	12.1
All other diseases	219	55.2	210	54.2	9	96.0	451	56.1	430	56.4	21	51.2	283	60.6	243	59.4	40	69.2
Motor vehicle accidents (810-823)	111	28.0	110	28.4	1	10.7	268	33.3	258	33.8	10	24.4	153	32.8	135	33.0	18	31.2
Other accidents (800-807, 825-949)	101	25.5	100	25.8	1	10.7	232	28.9	218	28.6	14	34.1	134	28.7	113	27.6	21	36.4
Suicide (950-959)	59	14.9	59	15.2	....	....	105	13.1	103	13.5	2	4.9	61	13.1	58	14.2	3	5.2
Homicide (960-978)	22	5.5	19	4.9	3	32.0	61	7.6	52	6.8	9	21.9	49	10.5	35	8.6	14	24.2
Other external causes (980-999)	14	3.5	14	3.6	....	....	12	1.5	11	1.4	1	2.4	3	0.6	2	0.5	1	1.7

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VIII (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE HEALTH DEPARTMENT REGIONS, RESIDENT DATA, TENNESSEE, 1978

	(4) UPPER CUMBERLAND						(5) MID—CUMBERLAND						(6) SOUTH CENTRAL TENNESSEE					
Estimated Population, July 1, 1978	TOTAL 227,600		WHITE 223,366		NONWHITE 4,234		TOTAL 902,900		WHITE 760,785		NONWHITE 142,115		TOTAL 288,300		WHITE 262,060		NONWHITE 26,240	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	3,134	13.8	3,068	13.7	66	15.6	14,509	16.1	11,304	14.9	3,203	22.5	4,271	14.8	3,813	14.6	458	17.5
In hospitals	3,094	....	3,029	....	65	....	14,439	....	11,248	....	3,189	....	4,107	....	3,655	....	452	....
Attended by physicians not in hospitals	13	....	12	....	1	....	16	....	13	....	3	....	49	....	46	....	3	....
Attended by midwives not in hospitals	18	....	18	....	....	....	15	....	13	....	2	....	93	....	91	....	2	....
Attended by others or unspecified not in hospital	9	....	9	....	....	....	39	....	30	....	9	....	22	....	21	....	1	....
ILLEGITIMATE BIRTHS	251	8.0	229	7.5	22	33.3	2,416	16.7	790	7.0	1,625	50.7	524	12.3	292	7.7	232	50.7
LOW-WEIGHT BIRTHS (2500 grams or less)	206	6.6	201	6.6	5	7.6	1,114	7.7	701	6.2	413	12.9	338	7.9	270	7.1	68	14.8
FETAL DEATHS	34	10.8	34	11.1	....	....	138	9.5	91	8.1	47	14.7	46	10.9	38	10.0	8	17.5
INFANT DEATHS (Under one year of age)	36	11.5	35	11.4	1	15.2	184	12.7	119	10.5	65	20.3	67	15.7	56	14.7	11	24.0
Neonatal Deaths (Under 28 days of age)	20	6.4	19	6.2	1	15.2	124	8.5	78	6.9	46	14.4	39	9.1	33	8.7	6	13.1
Under 7 days of age	17	....	16	....	1	....	108	....	67	....	41	....	32	....	27	....	5	....
7-27 days of age	3	....	3	....	....	....	16	....	11	....	5	....	7	....	6	....	1	....
MATERNAL DEATHS (ICDA codes 630-678)	....	....	....	....	....	....	3	2.1	....	....	3	9.4	....	....	....	....	....	....
TOTAL DEATHS	2,235	9.8	2,198	9.8	37	8.7	7,178	7.9	5,787	7.6	1,391	9.6	2,842	9.9	2,564	9.8	278	10.6
CAUSE OF DEATH																		
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	1	0.1	....	....	1	0.7	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	1	0.4	1	0.4	....	....	7	0.8	4	0.5	3	2.1	3	1.0	3	1.1	....	....
Tuberculosis, all forms (010, 019)	8	3.5	6	2.7	2	....	22	2.4	16	2.1	6	4.2	9	3.1	7	2.7	2	7.6
of respiratory system (010-012)	8	3.5	6	2.7	2	....	15	1.7	11	1.4	4	2.8	8	2.8	6	2.3	2	7.6
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	....	....	....	....	....	....	7	0.8	6	0.8	1	0.7	1	0.3	1	0.4	....	....
Septicemia (038)	5	2.2	5	2.2	....	....	20	2.2	10	1.3	10	7.0	15	5.2	14	5.3	1	3.8
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	....	....	....	....	....	....	1	0.1	1	0.1	....	....	....	....	....	....	....	....
Rocky Mtn. spotted fever (082.0)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	2	0.9	2	0.9	....	....	9	1.0	4	0.5	5	3.5	4	1.4	4	1.5	....	....
Malignant neoplasms (140-209)	377	165.6	375	167.9	2	....	1,409	156.1	1,151	151.3	258	181.5	543	188.3	495	188.9	48	182.9
Buccal cavity & pharynx (140-149)	3	1.3	3	1.3	....	....	31	3.4	24	3.2	7	4.9	12	4.2	11	4.2	1	3.8
Digestive org. & peritoneum (150-159)	68	29.9	68	30.4	....	....	327	36.2	253	33.3	74	52.1	113	39.2	101	38.5	12	45.7
Respiratory system (160-163)	110	48.3	109	48.8	1	....	380	42.1	324	42.6	56	39.4	152	52.7	137	52.3	15	57.2
Breast (174)	31	13.6	30	13.4	1	....	95	10.5	83	10.9	12	8.4	44	15.3	39	14.9	5	19.1
Female genital organs (180-184)	22	9.7	22	9.8	....	....	89	9.9	73	9.6	16	11.3	26	9.0	25	9.5	1	3.8
Male genital organs (185-187)	31	13.6	31	13.9	....	....	77	8.5	49	6.4	28	19.7	35	12.1	30	11.4	5	19.1
Urinary organs (188, 189)	18	7.9	18	8.1	....	....	66	7.3	53	7.0	13	9.1	22	7.6	20	7.6	2	7.6
Other & unspecified sites (170-173, 190-199)	48	21.1	48	21.5	....	....	197	21.8	167	22.0	30	21.1	92	31.9	87	33.2	5	19.1
Lymphatic and hematopoietic tissue (200-209)	46	20.2	46	20.6	....	....	147	16.3	125	16.4	22	15.5	47	16.3	45	17.2	2	7.6
Benign and unspecified neoplasms (210-239)	1	0.4	1	0.4	....	....	11	1.2	[illegible]	1.1	3	2.1	4	1.4	4	1.5	....	....
Diabetes mellitus (250)	33	14.5	31	13.9	2	....	104	11.5	65	8.5	39	27.4	40	13.9	29	11.1	11	41.9
Avitaminoses and other nutritional deficiencies (260-269)	1	0.4	1	0.4	....	....	19	2.1	14	1.8	5	3.5	10	3.5	9	3.4	1	3.8
Anemias (280-285)	7	3.1	6	2.7	1	....	15	1.7	9	1.2	6	4.2	6	2.1	6	2.3	....	....
Meningitis (320)	....	....	....	....	....	....	3	0.3	2	0.3	1	0.7	2	0.7	1	0.4	1	3.8
Diseases of heart (390-398, 402, 404, 410-429)	937	411.7	922	412.8	15	....	2,570	284.6	2,133	280.4	437	307.5	1,053	365.2	971	370.5	82	312.5
Active rheumatic fever and chronic rheumatic heart disease (390-398)	9	4.0	9	4.0	....	....	29	3.2	26	3.4	3	2.1	21	7.3	20	7.6	1	3.8
Hypertensive heart disease (402)	3	1.3	3	1.3	....	....	15	1.7	11	1.4	4	2.8	7	2.4	6	2.3	1	3.8
Hypertensive heart & renal disease (404)	2	0.9	2	0.9	....	....	15	1.7	11	1.4	4	2.8	1	0.3	1	0.4	....	....
Ischemic heart disease (410-414)	864	379.6	853	381.9	11	....	2,324	257.4	1,935	254.3	389	273.7	881	305.6	814	310.6	67	255.3
Other forms of heart disease (420-429)	59	25.9	55	24.6	4	....	187	20.7	150	19.7	37	26.0	143	49.6	130	49.6	13	49.5
Hypertension (400, 401, 403)	2	0.9	2	0.9	....	....	20	2.2	8	1.1	12	8.4	9	3.1	7	2.7	2	7.6
Cerebrovascular disease (430-438)	251	110.3	244	109.2	7	....	756	83.7	575	75.6	181	127.4	293	101.6	257	98.1	36	137.2
Arteriosclerosis (440)	38	16.7	37	16.6	1	....	116	12.8	101	13.3	15	10.6	47	16.3	45	17.2	2	7.6
Other diseases of arteries, arterioles and capillaries (441-448)	26	11.4	25	11.2	1	....	94	10.4	77	10.1	17	12.0	39	13.5	34	13.0	5	19.1
Acute bronchitis & bronchiolitis (466)	....	....	....	....	....	....	1	0.1	1	0.1	....	....	....	....	....	....	....	....
Influenza (470-474)	2	0.9	2	0.9	....	....	5	0.6	3	0.4	2	1.4	16	5.5	16	6.1	....	....
Pneumonia (480-486)	62	27.2	62	27.8	....	....	194	21.5	159	20.9	35	24.6	91	31.6	88	33.6	3	11.4
Chronic & unqual. bronchitis (490, 491)	5	2.2	5	2.2	....	....	17	1.9	17	2.2	....	....	12	4.2	10	3.8	2	7.6
Emphysema (492)	11	4.8	11	4.9	....	....	113	12.5	98	12.9	15	10.6	26	9.0	26	9.9	....	....
Asthma (493)	2	0.9	2	0.9	....	....	7	0.8	5	0.7	2	1.4	1	0.3	1	0.4	....	....
Peptic ulcer (531-533)	5	2.2	5	2.2	....	....	24	2.7	23	3.0	1	0.7	10	3.5	10	3.8	....	....
Appendicitis (540-543)	2	0.9	2	0.9	....	....	3	0.3	1	0.1	2	1.4	2	0.7	2	0.8	....	....
Hernia & intestinal obstruction (550-553, 560)	7	3.1	7	3.1	....	....	25	2.8	19	2.5	6	4.2	2	0.7	1	0.4	1	3.8
Cirrhosis of liver (571)	15	6.6	15	6.7	....	....	81	9.0	66	8.7	15	10.6	25	8.7	23	8.8	2	7.6
Cholelithiasis, cholecystitis and cholangitis (574, 575)	6	2.6	6	2.7	....	....	16	1.8	15	2.0	1	0.7	8	2.8	8	3.1	....	....
Acute nephritis and nephrotic syndrome (580, 581)	3	1.3	3	1.3	....	....	8	0.9	5	0.7	3	2.1	3	1.0	3	1.1	....	....
Chronic and unqual. nephritis and renal sclerosis (582-584)	3	1.3	3	1.3	....	....	35	3.9	13	1.7	22	15.5	15	5.2	11	4.2	4	15.2
Infections of kidney (590)	7	3.1	7	3.1	....	....	27	3.0	21	2.8	6	4.2	8	2.8	6	2.3	2	7.6
Hyperplasia of prostate (600)	1	0.4	1	0.4	....	....	9	1.0	7	0.9	2	1.4	1	0.3	....	....	1	3.8
Complications of pregnancy, childbirth and the puerperium (630-678)	....	....	....	....	....	....	3	2.1	....	....	3	9.4	....	....	....	....	....	....
Congenital anomalies (740-759)	9	4.0	8	3.6	1	....	51	5.6	42	5.5	9	6.3	17	5.9	15	5.7	2	7.6
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	8	3.5	8	3.6	....	....	39	4.3	29	3.8	10	7.0	18	6.2	15	5.7	3	11.4
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	10	4.4	10	4.5	....	....	52	5.8	27	3.5	25	17.6	12	4.2	10	3.8	2	7.6
Symptoms & ill-defined conditions (780-796)	28	12.3	28	12.5	....	....	69	7.6	57	7.5	12	8.4	41	14.2	31	11.8	10	38.1
All other diseases	156	68.5	153	68.5	3	....	508	56.3	411	54.0	97	68.3	180	62.4	162	61.8	18	68.6
Motor vehicle accidents (810-823)	78	34.3	78	34.9	....	....	234	25.9	212	27.9	22	15.5	93	32.3	76	29.0	17	64.8
Other accidents (800-807, 825-949)	65	28.6	64	28.7	1	....	221	24.5	182	23.9	39	27.4	101	35.0	88	33.6	13	49.5
Suicide (950-959)	35	15.4	35	15.7	....	....	114	12.6	110	14.5	4	2.8	52	18.0	50	19.1	2	7.6
Homicide (960-978)	13	5.7	12	5.4	1	....	116	12.8	62	8.1	54	38.0	23	8.0	19	7.3	4	15.2
Other external causes (980-999)	13	5.7	13	5.8	....	....	22	2.4	18	2.4	4	2.8	7	2.4	6	2.3	1	3.8

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VIII (Continued)—BIRTHS, FETAL DEATHS, INFANT DEATHS, AND DEATHS BY CAUSE (8th Rev. ICDA), WITH RATES AND RATIOS, BY RACE, FOR THE HEALTH DEPARTMENT REGIONS, RESIDENT DATA, TENNESSEE, 1978

	(7) NORTHWEST TENNESSEE						(8) SOUTHEAST TENNESSEE						(9) MEMPHIS-DELTA					
Estimated Population, July 1, 1978	TOTAL 235,400		WHITE 204,605		NONWHITE 30,795		TOTAL 200,600		WHITE 150,802		NONWHITE 49,798		TOTAL 834,700		WHITE 520,396		NONWHITE 314,304	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	3,221	13.7	2,633	12.9	588	19.1	3,135	15.6	2,119	14.1	1,015	20.4	14,538	17.4	6,749	13.0	7,788	24.8
In hospitals	3,201	....	2,618	....	583	....	3,097	....	2,105	....	991	....	14,278	....	6,715	....	7,563	....
Attended by physicians not in hospitals	2	....	1	....	1	....	10	....	2	....	8	....	223	....	23	....	200	....
Attended by midwives not in hospitals	12	....	8	....	4	....	19	....	4	....	15	....	25	....	1	....	24	....
Attended by others or unspecified not in hospital	6	....	6	....	....	....	9	....	8	....	1	....	12	....	10	....	1	....
ILLEGITIMATE BIRTHS	532	16.5	187	7.1	345	58.7	654	20.9	114	5.4	540	53.2	4,742	32.6	384	5.7	4,358	56.0
LOW-WEIGHT BIRTHS (2500 grams or less)	259	8.0	188	7.1	71	12.1	271	8.6	150	7.1	121	11.9	1,510	10.4	447	6.6	1,063	13.6
FETAL DEATHS	30	9.3	22	8.4	8	13.6	33	10.5	15	7.1	18	17.7	175	12.0	58	8.6	117	15.0
INFANT DEATHS (Under one year of age)	60	18.6	39	14.8	21	35.7	48	15.3	15	7.1	33	32.5	223	15.3	83	12.3	140	18.0
Neonatal Deaths (Under 28 days of age)	41	12.7	27	10.3	14	23.8	32	10.2	13	6.1	19	18.7	167	11.5	61	9.0	106	13.6
Under 7 days of age	34	....	23	....	11	....	23	....	11	....	12	....	138	....	51	....	87	....
7-27 days of age	7	....	4	....	3	....	9	....	2	....	7	....	29	....	10	....	19	....
MATERNAL DEATHS (ICDA codes 630-678)	1	3.1	....	....	1	17.0	1	3.2	1	4.7	....	....	2	1.4	1	1.5	1	1.3
TOTAL DEATHS	2,668	11.3	2,332	11.4	336	10.9	2,063	10.3	1,527	10.1	536	10.8	6,901	8.3	3,925	7.5	2,976	9.5
CAUSE OF DEATH																		
Typhoid fever (001)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bacillary dysentery and amebiasis (004, 006)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Enteritis & other diarrheal diseases (008, 009)	1	0.4	....	....	1	3.2	5	2.5	1	0.7	4	8.0	9	1.1	1	0.2	8	2.5
Tuberculosis, all forms (010, 019)	3	1.3	3	1.5	....	....	1	0.5	1	0.7	....	....	8	1.0	2	0.4	6	1.9
of respiratory system (010-012)	2	0.8	2	1.0	....	....	1	0.5	1	0.7	....	....	6	0.7	1	0.2	5	1.6
Diphtheria (032)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Whooping cough (033)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strep. sore throat & scarlet fever (034)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Meningococcal infection (036)	1	0.4	1	0.5	....	....	....	....	....	....	....	....	1	0.1	1	0.2	....	....
Septicemia (038)	8	3.4	7	3.4	1	3.2	8	4.0	3	2.0	5	10.0	64	7.7	18	3.5	46	14.6
Acute poliomyelitis (040-043)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles (055)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Viral encephalitis (062-065)	1	0.4	1	0.5	....	....	....	....	....	....	....	....	1	0.1	1	0.2	....	....
Rocky Mtn. spotted fever (082.0)	1	0.4	1	0.5	....	....	1	0.5	1	0.7	....	....	....	....	....	....	....	....
Syphilis & its sequelae (090-097)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Other infective & parasitic diseases (remainder of 000-136)	2	0.8	1	0.5	1	3.2	5	2.5	2	1.3	3	6.0	20	2.4	7	1.3	13	4.1
Malignant neoplasms (140-209)	470	199.7	415	202.8	55	178.6	378	188.4	275	182.4	103	206.8	1,459	174.8	883	169.7	576	183.3
Buccal cavity & pharynx (140-149)	13	5.5	13	6.4	....	....	5	2.5	4	2.7	1	2.0	30	3.6	18	3.5	12	3.8
Digestive org. & peritoneum (150-159)	121	51.4	102	49.9	19	61.7	87	43.4	67	44.4	20	40.2	370	44.3	224	43.0	146	46.5
Respiratory system (160-163)	129	54.8	118	57.7	11	35.7	99	49.4	76	50.4	23	46.2	376	45.0	262	50.3	114	36.3
Breast (174)	29	12.3	26	12.7	3	9.7	32	16.0	19	12.6	13	26.1	129	15.5	79	15.2	50	15.9
Female genital organs (180-184)	22	9.3	18	8.8	4	13.0	23	11.5	14	9.3	9	18.1	79	9.5	46	8.8	33	10.5
Male genital organs (185-187)	33	14.0	25	12.2	8	26.0	22	11.0	13	8.6	9	18.1	87	10.4	35	6.7	52	16.5
Urinary organs (188, 189)	20	8.5	18	8.8	2	6.5	17	8.5	14	9.3	3	6.0	52	6.2	27	5.2	25	8.0
Other & unspecified sites (170-173, 190-199)	63	26.8	57	27.9	6	19.5	56	27.9	40	26.5	16	32.1	197	23.6	105	20.2	92	29.3
Lymphatic and hematopoietic tissue (200-209)	40	17.0	38	18.6	2	6.5	37	18.4	28	18.6	9	18.1	139	16.7	87	16.7	52	16.5
Benign and unspecified neoplasms (210-239)	6	2.5	5	2.4	1	3.2	1	0.5	1	0.7	....	....	16	1.9	7	1.3	9	2.9
Diabetes mellitus (250)	44	18.7	38	18.6	6	19.5	27	13.5	20	13.3	7	14.1	85	10.2	33	6.3	52	16.5
Avitaminoses and other nutritional deficiencies (260-269)	6	2.5	5	2.4	1	3.2	4	2.0	1	0.7	3	6.0	8	1.0	4	0.8	4	1.3
Anemias (280-285)	4	1.7	3	1.5	1	3.2	2	1.0	1	0.7	1	2.0	16	1.9	9	1.7	7	2.2
Meningitis (320)	2	0.8	....	....	2	6.5	4	2.0	1	0.7	3	6.0	3	0.4	....	....	3	1.0
Diseases of heart (390-398, 402, 404, 410-429)	1,008	428.2	914	446.7	94	305.2	780	388.8	615	407.8	165	331.3	2,468	295.7	1,435	275.8	1,033	328.7
Active rheumatic fever and chronic rheumatic heart disease (390-398)	12	5.1	11	5.4	1	3.2	10	5.0	7	5.6	3	6.0	38	4.6	29	5.6	9	2.9
Hypertensive heart disease (402)	14	5.9	14	6.8	....	....	2	1.0	1	0.7	1	2.0	17	2.0	4	0.8	13	4.1
Hypertensive heart & renal disease (404)	3	1.3	3	1.5	....	....	2	1.0	2	1.3	....	....	4	0.5	3	0.6	1	0.3
Ischemic heart disease (410-414)	911	387.0	830	405.7	81	263.0	703	350.4	565	374.7	138	277.1	2,226	266.7	1,307	251.2	919	292.4
Other forms of heart disease (420-429)	68	28.9	56	27.4	12	39.0	63	31.4	40	26.5	23	46.2	183	21.9	92	17.7	91	29.0
Hypertension (400, 401, 403)	4	1.7	2	1.0	2	6.5	7	3.5	4	2.7	3	6.0	13	1.6	5	1.0	8	2.5
Cerebrovascular disease (430-438)	344	146.1	293	143.2	51	165.6	305	152.0	222	147.2	83	166.7	764	91.5	436	83.8	328	104.4
Arteriosclerosis (440)	78	33.1	69	33.7	9	29.2	45	22.4	26	17.2	19	38.2	84	10.1	48	9.2	36	11.5
Other diseases of arteries, arterioles and capillaries (441-448)	40	17.0	32	15.6	8	26.0	22	11.0	21	13.9	1	2.0	82	9.8	55	10.6	27	8.6
Acute bronchitis & bronchiolitis (466)	3	1.3	3	1.5	....	....	1	0.5	....	....	1	2.0	4	0.5	2	0.4	2	0.6
Influenza (470-474)	10	4.2	8	3.9	2	6.5	4	2.0	4	2.7	....	....	4	0.5	4	0.8	....	....
Pneumonia (480-486)	58	24.6	54	26.4	4	13.0	46	22.9	37	24.5	9	18.1	177	21.2	108	20.8	69	22.0
Chronic & unqual. bronchitis (490, 491)	6	2.5	5	2.4	1	3.2	4	2.0	4	2.7	....	....	18	2.2	15	2.9	3	1.0
Emphysema (492)	25	10.6	25	12.2	....	....	7	3.5	7	4.6	....	....	26	3.1	22	4.2	4	1.3
Asthma (493)	1	0.4	1	0.5	....	....	2	1.0	....	....	2	4.0	7	0.8	3	0.6	4	1.3
Peptic ulcer (531-533)	7	3.0	6	2.9	1	3.2	2	1.0	1	0.7	1	2.0	15	1.8	11	2.1	4	1.3
Appendicitis (540-543)	1	0.4	1	0.5	....	....	2	1.0	1	0.7	1	2.0	2	0.2	....	....	2	0.6
Hernia & intestinal obstruction (550-553, 560)	11	4.7	9	4.4	2	6.5	4	2.0	2	1.3	2	4.0	22	2.6	12	2.3	10	3.2
Cirrhosis of liver (571)	15	6.4	12	5.9	3	9.7	17	8.5	16	10.6	1	2.0	86	10.3	59	11.3	27	8.6
Cholelithiasis, cholecystitis and cholangitis (574, 575)	12	5.1	11	5.4	1	3.2	5	2.5	3	2.0	2	4.0	10	1.2	7	1.3	3	1.0
Acute nephritis and nephrotic syndrome (580, 581)	3	1.3	2	1.0	1	3.2	2	1.0	1	0.7	1	2.0	11	1.3	4	0.8	7	2.2
Chronic and unqual. nephritis and renal sclerosis (582-584)	5	2.1	3	1.5	2	6.5	5	2.5	3	2.0	2	4.0	39	4.7	8	1.5	31	9.9
Infections of kidney (590)	7	3.0	6	2.9	1	3.2	7	3.5	5	3.3	2	4.0	14	1.7	8	1.5	6	1.9
Hyperplasia of prostate (600)	4	1.7	2	1.0	2	6.5	....	....	....	....	....	....	3	0.4	....	....	3	1.0
Complications of pregnancy, childbirth and the puerperium (630-678)	1	3.1	....	....	1	17.0	1	3.2	1	4.7	....	....	2	1.4	1	1.5	1	1.3
Congenital anomalies (740-759)	10	4.2	8	3.9	2	6.5	11	5.5	7	4.6	4	8.0	65	7.8	35	6.7	30	9.5
Difficult labor, birth injury and other anoxic and hypoxic conditions (764-768, 772, 776)	19	8.1	15	7.3	4	13.0	8	4.0	2	1.3	6	12.0	46	5.5	16	3.1	30	9.5
Other causes of mortality in early infancy (760-763, 769.0-769.2, 769.4-771, 774, 775, 777, 778)	9	3.8	4	2.0	5	16.2	10	5.0	6	4.0	4	8.0	59	7.1	18	3.5	41	13.0
Symptoms & ill-defined conditions (780-796)	63	26.8	44	21.5	19	61.7	24	12.0	6	4.0	18	36.1	58	6.9	19	3.7	39	12.4
All other diseases	172	73.1	154	75.3	18	58.5	106	52.8	79	52.4	27	54.2	561	67.2	328	63.0	233	74.1
Motor vehicle accidents (810-823)	82	34.8	74	36.2	8	26.0	97	48.4	76	50.4	21	42.2	178	21.3	102	19.6	76	24.2
Other accidents (800-807, 825-949)	74	31.4	62	30.3	12	39.0	53	26.4	38	25.2	15	30.1	185	22.2	106	20.4	79	25.1
Suicide (950-959)	28	11.9	26	12.7	2	6.5	22	11.0	22	14.6	....	....	72	8.6	60	11.5	12	3.8
Homicide (960-978)	17	7.2	5	2.4	12	39.0	23	11.5	7	4.6	16	32.1	132	15.8	30	5.8	102	32.5
Other external causes (980-999)	2	0.8	2	1.0	....	....	5	2.5	4	2.7	1	2.0	4	0.5	2	0.4	2	0.6

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE IX--BIRTHS AND DEATHS IN HOSPITALS WITH PERCENTAGES, FOR CITIES OF 10,000 OR MORE POPULATION AND FOR COUNTIES INCLUSIVE OF CITIES, RESIDENT AND RECORDED DATA, TENNESSEE, 1978

CITY OR COUNTY	BIRTHS						DEATHS					
	Resident			Recorded			Resident			Recorded		
		In Hospital			In Hospital			In Hospital			In Hospital	
	Total	No.	Per-cent	Total	No.	Per-cent	Total	No.	Per-cent	Total	No.	Per-cent
THE STATE	66,466	65,636	98.8	70,202	69,163	98.5	38,654	29,491	76.3	41,106	31,963	77.8
CITY												
Total	30,968	30,683	99.1	55,601	55,156	99.2	18,401	14,186	77.1	28,061	23,399	83.4
Athens	181	181	100.0	531	530	99.8	123	89	72.4	200	158	79.0
Bristol	298	298	100.0	1,135	1,135	100.0	257	197	76.7	534	466	87.3
Chattanooga	2,913	2,895	99.4	4,124	4,106	99.6	1,758	1,505	85.6	2,597	2,336	89.9
Clarksville	1,230	1,227	99.8	1,143	1,141	99.8	261	175	67.0	344	255	74.1
Cleveland	441	438	99.3	1,188	1,188	100.0	287	222	77.4	441	362	82.1
Columbia	324	322	99.4	718	718	100.0	236	160	67.8	389	284	73.0
Cookeville	219	218	99.5	755	754	99.9	148	104	70.3	319	263	82.4
Dyersburg	228	227	99.6	881	880	99.9	190	161	84.7	384	352	91.7
East Ridge	81	81	100.0	1,184	1,184	100.0	158	143	90.5	145	116	80.0
Elizabethton	124	124	100.0	279	279	100.0	142	113	79.6	261	219	83.9
Gallatin	272	272	100.0	463	463	100.0	159	129	81.1	316	236	74.7
Greeneville	164	164	100.0	749	748	99.9	163	124	76.1	413	368	89.1
Humboldt	164	164	100.0	144	144	100.0	109	83	76.1	113	78	69.0
Jackson	611	607	99.3	2,407	2,402	99.8	524	416	79.4	1,038	904	87.1
Johnson City	441	439	99.5	1,627	1,625	99.9	406	289	71.2	1,110	985	88.7
Kingsport	360	359	99.7	1,597	1,596	99.9	328	287	87.5	799	750	93.9
Knoxville	2,286	2,268	99.2	3,812	3,794	99.5	1,870	1,145	61.2	2,412	1,549	64.2
Lebanon	217	217	100.0	296	296	100.0	148	97	65.5	253	177	70.0
McMinnville	168	166	98.8	408	408	100.0	136	106	77.9	241	214	88.8
Maryville	212	212	100.0	723	723	100.0	218	165	75.7	487	395	81.1
Memphis	11,055	10,862	98.3	16,113	15,746	97.7	5,761	4,794	83.2	8,012	7,051	88.0
Millington	396	394	99.5				56	46	82.1	6		
Morristown	289	286	99.0	997	996	99.9	216	177	81.9	404	356	88.1
Murfreesboro	397	395	99.5	1,162	1,159	99.7	230	156	67.8	352	263	74.7
Nashville--Davidson County**	7,027	7,002	99.6	10,440	10,421	99.8	3,802	2,753	72.4	5,401	4,332	80.2
Oak Ridge	282	279	98.9	1,182	1,178	99.7	184	134	72.8	355	323	91.0
Red Bank	21	21	100.0	2	2	100.0	92	83	90.2	73	70	95.9
Shelbyville	196	195	99.5	349	348	99.7	177	142	80.2	218	176	80.7
Tullahoma	218	217	99.5	460	460	100.0	129	102	79.1	151	111	73.5
Union City	153	153	100.0	732	732	100.0	133	89	66.9	293	250	85.3
COUNTY (Including Cities)												
Anderson	826	816	98.8	1,255	1,245	99.2	526	364	69.2	504	381	75.6
Bedford	383	379	99.0	352	348	98.9	304	240	78.9	236	176	74.6
Benton	173	170	98.3	3	3	100.0	168	141	83.9	176	145	82.4
Bledsoe	137	136	99.3	84	83	98.8	64	42	65.6	51	28	54.9
Blount	993	988	99.5	728	723	99.3	617	469	76.0	561	396	70.6
Bradley	1,046	1,043	99.7	1,188	1,188	100.0	467	344	73.7	481	362	75.3
Campbell	550	550	100.0	455	454	99.8	339	281	82.9	318	263	82.7
Cannon	96	94	97.9	90	87	96.7	98	72	73.5	91	67	73.6
Carroll	376	368	97.9	234	226	96.6	304	237	78.0	201	153	76.1
Carter	593	589	99.3	283	279	98.6	421	328	77.9	303	219	72.3
Cheatham	283	280	98.9	3			133	70	52.6	63		
Chester	162	159	98.1	4			103	67	65.0	32		
Claiborne	327	326	99.7	203	203	100.0	248	189	76.2	233	158	67.8
Clay	95	95	100.0	22	22	100.0	70	51	72.9	46	26	56.5
Cocke	407	383	94.1	363	325	89.5	282	188	66.7	196	106	54.1
Coffee	537	527	98.1	626	625	99.8	287	228	79.4	281	206	73.3
Crockett	179	179	100.0				186	116	62.4	61		
Cumberland	403	394	97.8	629	620	98.6	267	235	88.0	354	324	91.5
Davidson**	7,027	7,002	99.6	10,440	10,421	99.8	3,802	2,753	72.4	5,401	4,332	80.2
Decatur	139	137	98.6	58	57	98.3	112	97	86.6	111	87	78.4
DeKalb	179	176	98.3	218	215	98.6	137	103	75.2	130	101	77.7
Dickson	420	416	99.0	427	425	99.5	290	210	72.4	285	203	71.2
Dyer	495	494	99.8	881	880	99.9	396	334	84.3	402	352	87.6
Fayette	455	419	92.1	248	222	89.5	191	151	79.1	144	98	68.1
Fentress	184	178	96.7	132	127	96.2	164	135	82.3	106	79	74.5
Franklin	435	430	98.9	329	325	98.8	284	223	78.5	249	197	79.1
Gibson	682	680	99.7	430	428	99.5	497	369	74.2	455	311	68.4
Giles	355	350	98.6	209	207	99.0	253	155	66.5	191	116	60.7
Grainger	211	208	98.6	1			140	83	59.3	51		
Greene	659	657	99.7	749	748	99.9	457	343	75.1	496	368	74.2

COUNTY	BIRTHS						DEATHS					
	Resident			Recorded			Resident			Recorded		
		In Hospital			In Hospital			In Hospital			In Hospital	
	Total	No.	Per-cent	Total	No.	Per-cent	Total	No.	Per-cent	Total	No.	Per-cent
Grundy	232	182	78.4	155	66	42.6	136	106	77.9	50	24	48.0
Hamblen	683	678	99.3	998	996	99.8	409	346	84.6	417	356	85.4
Hamilton	4,257	4,233	99.4	5,314	5,292	99.6	2,509	2,131	84.9	2,919	2,522	86.4
Hancock	100	99	99.0	74	73	98.6	76	52	68.4	50	27	54.0
Hardeman	447	442	98.9	159	158	99.4	237	179	75.5	260	192	73.8
Hardin	310	309	99.7	1			187	138	73.8	159	111	69.8
Hawkins	584	583	99.8	194	193	99.5	337	270	80.1	166	103	62.0
Haywood	349	332	95.1	295	280	94.9	217	198	91.2	169	146	86.4
Henderson	299	298	99.7	233	232	99.6	225	190	84.4	172	141	82.0
Henry	368	364	98.9	392	389	99.2	326	262	80.4	301	238	79.1
Hickman	184	172	93.5	6			154	109	70.8	85	47	55.3
Houston	109	109	100.0	60	60	100.0	75	55	73.3	68	57	83.8
Humphreys	249	246	98.8	131	131	100.0	160	138	86.2	108	87	80.6
Jackson	103	103	100.0	101	101	100.0	113	85	75.2	74	55	74.3
Jefferson	355	350	98.6	249	247	99.2	229	174	76.0	199	139	69.8
Johnson	207	204	98.6	114	111	97.4	137	117	85.4	113	95	84.1
Knox	4,068	4,036	99.2	6,025	5,992	99.5	2,721	1,663	61.1	3,721	2,553	68.6
Lake	115	114	99.1	1			89	64	71.9	47		
Lauderdale	403	391	97.0	13			251	194	77.3	153	111	72.5
Lawrence	509	495	97.2	572	559	97.7	338	270	79.9	288	221	76.7
Lewis	189	103	54.5	296	109	36.8	67	47	70.1	57	39	68.4
Lincoln	366	364	99.5	298	297	99.7	286	211	73.8	237	168	70.9
Loudon	357	355	99.4	106	103	97.2	305	230	75.4	207	123	59.4
McMinn	569	567	99.6	701	698	99.6	375	276	73.6	366	269	73.5
McNairy	316	313	99.1	396	393	99.2	220	162	73.6	154	104	67.5
Macon	215	211	98.1	87	83	95.4	164	146	89.0	118	104	88.1
Madison	1,113	1,107	99.5	2,409	2,402	99.7	762	591	77.6	1,078	904	83.9
Marion	321	308	96.0	80	79	98.8	215	176	81.9	166	134	80.7
Marshall	247	244	98.8	94	91	96.8	220	151	68.6	205	128	62.4
Maury	732	720	98.4	724	718	99.2	445	300	67.4	438	284	64.8
Meigs	119	118	99.2	1			48	30	62.5	18		
Monroe	403	401	99.5	226	224	99.1	263	203	77.2	195	139	71.3
Montgomery	1,677	1,673	99.8	1,144	1,141	99.7	456	294	64.5	410	255	62.2
Moore	58	57	98.3				32	25	78.1	4		
Morgan	235	233	99.1	1			144	85	59.0	53		
Obion	459	458	99.8	734	732	99.7	364	254	69.8	335	250	74.6
Overton	214	210	98.1	272	269	98.9	140	123	87.9	141	124	87.9
Perry	78	73	93.6	32	29	90.6	60	42	70.0	44	23	52.3
Pickett	57	57	100.0				25	21	84.0	5		
Polk	202	202	100.0	119	119	100.0	132	103	78.0	105	76	72.4
Putnam	573	571	99.7	756	754	99.7	388	292	75.3	363	263	72.5
Rhea	387	385	99.5	294	293	99.7	204	180	88.2	146	120	82.2
Roane	624	621	99.5	370	367	99.2	370	299	80.8	293	237	80.9
Robertson	512	508	99.2	243	240	98.8	305	232	76.1	242	169	69.8
Rutherford	1,194	1,179	98.7	1,171	1,159	99.0	513	352	68.6	547	378	69.1
Scott	346	332	96.0	223	209	93.7	184	147	79.9	182	150	82.4
Sequatchie	139	135	97.1	132	131	99.2	57	46	80.7	65	54	83.1
Sevier	574	566	98.6	3			302	248	82.1	198	158	79.8
Shelby	13,112	12,905	98.4	16,707	16,339	97.8	6,165	5,127	83.2	8,106	7,080	87.3
Smith	179	178	99.4	245	244	99.6	157	127	80.9	144	129	89.6
Stewart	97	97	100.0				83	43	51.8	32		
Sullivan	1,696	1,694	99.9	2,733	2,731	99.9	1,082	881	81.4	1,410	1,216	86.2
Sumner	1,301	1,299	99.8	542	540	99.6	544	438	80.5	430	306	71.2
Tipton	568	563	99.1	289	284	98.3	294	224	76.2	172	111	64.5
Trousdale	98	97	99.0	32	31	96.9	67	44	65.7	36	19	52.8
Unicoi	195	194	99.5				160	137	85.6	73	57	78.1
Union	169	168	99.4	1			105	57	54.3	44		
Van Buren	79	75	94.9				45	34	75.6	7		
Warren	487	482	99.0	408	408	100.0	279	231	82.8	256	214	83.6
Washington	1,087	1,080	99.4	1,633	1,625	99.5	706	484	68.6	1,229	985	80.1
Wayne	198	193	97.5	53	48	90.6	132	104	78.8	88	68	77.3
Weakley	374	374	100.0	194	194	100.0	338	240	71.0	250	164	65.6
White	270	270	100.0	64	64	100.0	188	161	85.6	154	130	84.4
Williamson	767	761	99.2	359	353	98.3	367	278	75.7	260	175	67.3
Wilson	775	772	99.6	299	296	99.0	383	256	66.8	315	177	56.2

**See explanation on page 10 of this Bulletin.

TABLE X—SELECTED RECORDED DATA REGARDING BIRTHS, FETAL DEATHS, AND DEATHS FOR CITIES OF 10,000 OR MORE POPULATION AND FOR COUNTIES INCLUSIVE OF CITIES, TENNESSEE, 1978

CITY OR COUNTY	LIVE BIRTHS						FETAL DEATHS						DEATHS					
	TOTAL		In hospital	Not in Hospital Attended By			TOTAL		In hospital	Not in Hospital Attended By			TOTAL		Neonatal (Under 28 days)		Infant (Under 1 year)	
	No.	Rate*		Physician	Midwife	Other or unspecified	No.	Ratio†		Physician	Midwife	Other or unspecified	No.	Rate*	No.	Rate†	No.	Rate†
THE STATE	70,202	16.1	69,163	563	348	128	755	10.8	740	12	3	.....	41,106	9.4	816	11.6	1,126	16.0
CITY—Total	55,601	27.2	55,156	381	24	40	583	10.5	577	6	.....	.....	28,061	13.7	645	11.6	851	15.3
Athens	531	43.0	530	1	.....	.....	1	1.9	1	.....	.....	.....	200	16.2	1	1.9	2	3.8
Bristol	1,135	42.0	1,135	.....	.....	.....	11	9.7	11	.....	.....	.....	534	19.7	12	10.6	14	12.3
Chattanooga	4,124	25.3	4,106	13	3	2	38	9.2	38	.....	.....	.....	2,597	16.0	85	20.6	105	25.5
Clarksville	1,143	20.2	1,141	.....	.....	2	10	8.7	9	1	.....	.....	344	6.1	4	3.5	9	7.9
Cleveland	1,188	38.3	1,188	.....	.....	.....	12	10.1	12	.....	.....	.....	441	14.2	6	5.1	6	5.1
Columbia	718	30.9	718	.....	.....	.....	6	8.4	6	.....	.....	.....	389	16.7	.....	.....	2	2.8
Cookeville	755	40.8	754	.....	1	.....	7	9.3	7	.....	.....	.....	319	17.2	4	5.3	5	6.6
Dyersburg	881	55.9	880	.....	1	.....	8	9.1	8	.....	.....	.....	384	24.4	8	9.1	12	13.6
East Ridge	1,184	52.0	1,184	.....	.....	.....	9	7.6	9	.....	.....	.....	145	6.4	1	0.8	2	1.7
Elizabethton	279	21.9	279	.....	.....	.....	8	28.7	8	.....	.....	.....	261	20.5	1	3.6	1	3.6
Gallatin	463	30.5	463	.....	.....	.....	3	6.5	3	.....	.....	.....	316	20.8	.....	.....	3	6.5
Greeneville	749	52.3	748	.....	1	.....	14	18.7	14	.....	.....	.....	413	28.8	7	9.3	8	10.7
Humboldt	144	14.3	144	.....	.....	.....	2	13.9	2	.....	.....	.....	113	11.2	.....	.....	.....	.....
Jackson	2,407	50.6	2,402	3	.....	2	18	7.5	18	.....	.....	.....	1,038	21.8	16	6.6	21	8.7
Johnson City	1,627	40.4	1,625	.....	1	1	11	6.8	11	.....	.....	.....	1,110	27.6	18	11.1	22	13.5
Kingsport	1,597	48.1	1,596	.....	.....	1	17	10.6	17	.....	.....	.....	799	24.1	7	4.4	11	6.9
Knoxville	3,812	20.6	3,794	5	10	3	37	9.7	37	.....	.....	.....	2,412	13.0	20	5.2	31	8.1
Lebanon	296	21.8	296	.....	.....	.....	1	3.4	1	.....	.....	.....	253	18.6	1	3.4	3	10.1
McMinnville	408	37.4	408	.....	.....	.....	2	4.9	2	.....	.....	.....	241	22.1	.....	.....	2	4.9
Maryville	723	35.2	723	.....	.....	.....	12	16.6	12	.....	.....	.....	487	23.7	1	1.4	2	2.8
Memphis	16,113	24.3	15,746	357	.....	10	197	12.2	193	4	.....	.....	8,012	12.1	263	16.3	334	20.7
Millington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	0.3	.....	.....	.....	.....
Morristown	997	48.7	996	.....	.....	1	11	11.0	11	.....	.....	.....	404	19.7	2	2.0	4	4.0
Murfreesboro	1,162	34.8	1,159	.....	.....	3	9	7.7	9	.....	.....	.....	352	10.5	7	6.0	9	7.7
Nashville-Davidson Co.**	10,440	23.1	10,421	1	3	15	119	11.4	118	1	.....	.....	5,401	12.0	168	16.1	222	21.3
Oak Ridge	1,182	42.9	1,178	.....	4	.....	6	5.1	6	.....	.....	.....	355	12.9	4	3.4	8	6.8
Red Bank	2	0.1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	73	4.9	.....	.....	.....	.....
Shelbyville	349	29.5	348	1	.....	.....	6	17.2	6	.....	.....	.....	218	18.4	1	2.9	3	8.6
Tullahoma	460	31.4	460	.....	.....	.....	3	6.5	3	.....	.....	.....	151	10.3	2	4.3	3	6.5
Union City	732	56.3	732	.....	.....	.....	5	6.8	5	.....	.....	.....	293	22.5	6	8.2	7	9.6
COUNTY—(Including Cities)																		
Anderson	1,255	19.0	1,245	.....	5	5	7	5.6	7	.....	.....	.....	504	7.6	4	3.2	8	6.4
Bedford	352	13.1	348	1	2	1	6	17.0	6	.....	.....	.....	236	8.8	1	2.8	3	8.5
Benton	3	0.2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	176	13.1	.....	.....	1	.....
Bledsoe	84	9.9	83	.....	1	.....	.....	.....	.....	.....	.....	.....	51	6.0	.....	.....	.....	.....
Blount	728	9.6	723	.....	4	1	12	16.5	12	.....	.....	.....	561	7.4	1	1.4	2	2.7
Bradley	1,188	18.9	1,188	.....	.....	.....	12	10.1	12	.....	.....	.....	481	7.7	6	5.1	6	5.1
Campbell	455	14.2	454	1	.....	.....	4	8.8	4	.....	.....	.....	318	9.9	2	4.4	3	6.6
Cannon	90	9.6	87	1	1	1	2	22.2	2	.....	.....	.....	91	9.7	.....	.....	.....	.....
Carroll	234	8.5	226	.....	2	6	4	17.1	4	.....	.....	.....	201	7.3	1	4.3	2	8.5
Carter	283	5.9	279	2	1	1	8	28.3	8	.....	.....	.....	303	6.4	1	3.5	2	7.1
Cheatham	3	0.2	.....	.....	1	2	.....	.....	.....	.....	.....	.....	63	3.3	.....	.....	1	.....
Chester	4	0.3	.....	.....	1	3	.....	.....	.....	.....	.....	.....	32	2.6	.....	.....	1	.....
Claiborne	203	7.7	203	.....	.....	.....	1	4.9	1	.....	.....	.....	233	8.8	1	4.9	2	9.9
Clay	22	3.2	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	46	6.7	.....	.....	1	45.5
Cocke	363	12.7	325	.....	37	1	8	22.0	7	.....	1	.....	196	6.9	2	5.5	2	5.5
Coffee	626	17.7	625	.....	.....	1	5	8.0	5	.....	.....	.....	281	8.0	2	3.2	4	6.4
Crockett	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	61	4.2	.....	.....	1	.....
Cumberland	629	23.1	620	.....	9	.....	8	12.7	8	.....	.....	.....	354	13.0	2	3.2	5	7.9
Davidson**	10,440	23.1	10,421	1	3	15	119	11.4	118	1	.....	.....	5,401	12.0	168	16.1	222	21.3
Decatur	58	5.8	57	.....	1	.....	.....	.....	.....	.....	.....	.....	111	11.1	.....	.....	1	17.2
DeKalb	218	17.0	215	.....	2	1	1	4.6	1	.....	.....	.....	130	10.2	1	4.6	2	9.2
Dickson	427	15.1	425	.....	.....	2	4	9.4	4	.....	.....	.....	285	10.1	.....	.....	3	7.0
Dyer	881	26.1	880	.....	1	.....	8	9.1	8	.....	.....	.....	402	11.9	8	9.1	12	13.6
Fayette	248	9.9	222	14	12	.....	10	40.3	9	1	.....	.....	144	5.8	2	8.1	5	20.2
Fentress	132	9.0	127	.....	3	2	2	15.2	2	.....	.....	.....	106	7.3	.....	.....	2	15.2
Franklin	329	10.8	325	.....	.....	4	6	18.2	6	.....	.....	.....	249	8.2	2	6.1	4	12.2
Gibson	430	9.0	428	1	1	.....	5	11.6	5	.....	.....	.....	455	9.5	1	2.3	1	2.3
Giles	209	8.9	207	1	.....	1	.....	.....	.....	.....	.....	.....	191	8.2	.....	.....	1	5.9
Grainger	1	0.1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	51	3.0	.....	.....	.....	.....
Greene	749	14.4	748	.....	1	.....	14	18.7	14	.....	.....	.....	496	9.5	7	9.3	8	10.7

* Rate per 1,000 population. †Rate and ratio per 1,000 live births. These rates and ratios are not calculated when the number of births is less than 10.
**See explanation on page 10 of this Bulletin.

TABLE X (Continued)—SELECTED RECORDED DATA REGARDING BIRTHS, FETAL DEATHS, AND DEATHS FOR CITIES OF 10,000 OR MORE POPULATION AND FOR COUNTIES INCLUSIVE OF CITIES, TENNESSEE, 1978

COUNTY	LIVE BIRTHS						FETAL DEATHS						DEATHS					
	TOTAL		In hospital	Not in Hospital Attended By			TOTAL		In hospital	Not in Hospital Attended By			TOTAL		Neonatal (Under 28 days)		Infant (Under 1 year)	
				Physician	Midwife	Other or unspecified				Physician	Midwife	Other or unspecified						
	No.	Rate*					No.	Ratio†					No.	Rate*	No.	Rate†	No.	Rate†
Grundy	155	12.5	66	88	1	.....	3	19.4	2	1	.....	.....	50	4.0	.....	.....	.....	.....
Hamblen	998	22.1	996	.....	.....	2	11	11.0	11	.....	.....	.....	417	9.2	2	2.0	4	4.0
Hamilton	5,314	19.7	5,292	14	5	3	47	8.8	47	.....	.....	.....	2,919	10.8	86	16.2	107	20.1
Hancock	74	11.0	73	.....	1	.....	1	13.5	1	.....	.....	.....	50	7.5	.....	.....	1	13.5
Hardeman	159	6.9	158	.....	1	.....	3	18.9	3	.....	.....	.....	260	11.3	3	18.9	7	44.0
Hardin	1	#	.....	.....	.....	1	1	.....	1	.....	.....	.....	159	7.6	.....	.....	.....	.....
Hawkins	194	4.9	193	.....	.....	1	5	25.8	5	.....	.....	.....	166	4.2	2	10.3	2	10.3
Haywood	295	13.7	280	1	14	.....	7	23.7	5	1	1	.....	169	7.8	4	13.6	6	20.3
Henderson	233	11.6	232	.....	1	.....	1	4.3	1	.....	.....	.....	172	8.6	1	4.3	2	8.6
Henry	392	14.8	389	.....	3	.....	3	7.7	3	.....	.....	.....	301	11.4	2	5.1	5	12.8
Hickman	6	0.4	.....	2	3	1	.....	.....	.....	.....	.....	.....	85	6.0	.....	.....	1	.....
Houston	60	9.0	60	.....	.....	.....	1	16.7	1	.....	.....	.....	68	10.1	1	16.7	1	16.7
Humphreys	131	8.6	131	.....	.....	.....	1	7.6	1	.....	.....	.....	108	7.1	1	7.6	3	22.9
Jackson	101	11.5	101	.....	.....	.....	2	19.8	2	.....	.....	.....	74	8.4	.....	.....	.....	.....
Jefferson	249	8.5	247	1	1	.....	2	8.0	2	.....	.....	.....	199	6.8	.....	.....	2	8.0
Johnson	114	8.2	111	2	.....	1	.....	.....	.....	.....	.....	.....	113	8.1	4	35.1	4	35.1
Knox	6,025	19.9	5,992	6	19	8	66	11.0	66	.....	.....	.....	3,721	12.3	130	21.6	166	27.6
Lake	1	0.1	.....	.....	1	.....	!	.....	.....	.....	1	.....	47	6.6	.....	.....	1	.....
Lauderdale	13	0.6	.....	2	10	1	.....	.....	.....	.....	.....	.....	153	6.6	.....	.....	.....	.....
Lawrence	572	16.9	559	7	5	1	11	19.2	11	.....	.....	.....	288	8.5	2	3.5	3	5.2
Lewis	296	34.0	109	36	149	2	.....	.....	.....	.....	.....	.....	57	6.6	2	6.8	2	6.8
Lincoln	298	11.8	297	.....	.....	1	2	6.7	1	1	.....	.....	237	9.4	2	6.7	5	16.8
Loudon	106	3.9	103	1	2	.....	1	9.4	1	.....	.....	.....	207	7.6	1	9.4	2	18.9
McMinn	701	17.7	698	1	1	1	1	1.4	1	.....	.....	.....	366	9.2	3	4.3	5	7.1
McNairy	396	18.3	393	.....	.....	3	7	17.7	7	.....	.....	.....	154	7.1	3	7.6	4	10.1
Macon	87	5.8	83	1	.....	3	1	11.5	1	.....	.....	.....	118	7.9	.....	.....	1	11.5
Madison	2,409	33.8	2,402	4	1	2	18	7.5	18	.....	.....	.....	1,078	15.1	16	6.6	21	8.7
Marion	80	3.4	79	1	.....	.....	3	37.5	3	.....	.....	.....	166	7.1	.....	.....	1	12.5
Marshall	94	5.1	91	.....	1	2	1	10.6	1	.....	.....	.....	205	11.2	1	10.6	2	21.3
Maury	724	15.0	718	3	.....	3	6	8.3	6	.....	.....	.....	438	9.1	.....	.....	2	2.8
Meigs	1	0.1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	18	2.6	.....	.....	1	.....
Monroe	226	8.3	224	.....	1	1	1	4.4	1	.....	.....	.....	195	7.2	1	4.4	4	17.7
Montgomery	1,144	14.3	1,141	.....	.....	3	10	8.7	9	1	.....	.....	410	5.1	4	3.5	9	7.9
Moore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	1.0	.....	.....	.....	.....
Morgan	1	0.1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	53	3.3	.....	.....	2	.....
Obion	734	21.6	732	.....	2	.....	5	6.8	5	.....	.....	.....	335	9.9	7	9.5	8	10.9
Overton	272	15.8	269	1	1	1	1	3.7	1	.....	.....	.....	141	8.2	1	3.7	1	3.7
Perry	32	5.2	29	3	.....	.....	.....	.....	.....	.....	.....	.....	44	7.1	1	31.2	1	31.2
Pickett	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	1.1	.....	.....	.....	.....
Polk	119	9.0	119	.....	.....	.....	.....	.....	.....	.....	.....	.....	105	8.0	.....	.....	.....	.....
Putnam	756	18.0	754	1	1	.....	7	9.3	7	.....	.....	.....	363	8.7	4	5.3	5	6.6
Rhea	294	13.0	293	.....	.....	1	3	10.2	3	.....	.....	.....	146	6.4	1	3.4	2	6.8
Roane	370	8.3	367	.....	2	1	4	10.8	4	.....	.....	.....	293	6.6	1	2.7	2	5.4
Robertson	243	7.4	240	1	.....	2	3	12.3	3	.....	.....	.....	242	7.4	1	4.1	2	8.2
Rutherford	1,171	15.3	1,159	2	2	8	9	7.7	9	.....	.....	.....	547	7.1	8	6.8	12	10.2
Scott	223	12.5	209	.....	14	.....	4	17.9	4	.....	.....	.....	182	10.2	1	4.5	2	9.0
Sequatchie	132	17.1	131	.....	1	.....	1	7.6	1	.....	.....	.....	65	8.4	.....	.....	.....	.....
Sevier	3	0.1	.....	.....	2	1	1	.....	1	.....	.....	.....	198	5.4	.....	.....	3	.....
Shelby	16,707	22.1	16,339	357	.....	11	202	12.1	198	4	.....	.....	8,106	10.7	268	16.0	340	20.4
Smith	245	17.4	244	.....	.....	1	1	4.1	1	.....	.....	.....	144	10.2	.....	.....	.....	.....
Stewart	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32	3.4	.....	.....	.....	.....
Sullivan	2,733	19.7	2,731	1	.....	1	28	10.2	28	.....	.....	.....	1,410	10.2	19	7.0	26	9.5
Sumner	542	6.9	540	1	1	.....	4	7.4	4	.....	.....	.....	430	5.5	1	1.8	6	11.1
Tipton	289	9.0	284	2	3	.....	1	3.5	1	.....	.....	.....	172	5.4	.....	.....	2	6.9
Trousdale	32	5.7	31	1	.....	.....	.....	.....	.....	.....	.....	.....	36	6.4	.....	.....	.....	.....
Unicoi	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	73	4.6	.....	.....	.....	.....
Union	1	0.1	.....	.....	.....	1	1	.....	.....	1	.....	.....	44	3.7	.....	.....	.....	.....
Van Buren	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	1.6	.....	.....	1	.....
Warren	408	13.0	408	.....	.....	.....	2	4.9	2	.....	.....	.....	256	8.2	.....	.....	2	4.9
Washington	1,633	19.7	1,625	.....	7	1	11	6.7	11	.....	.....	.....	1,229	14.8	18	11.0	23	14.1
Wayne	53	3.9	48	1	.....	4	.....	.....	.....	.....	.....	.....	88	6.5	1	18.9	1	18.9
Weakley	194	6.3	194	.....	.....	.....	1	5.2	1	.....	.....	.....	250	8.1	.....	.....	.....	.....
White	64	3.2	64	.....	.....	.....	.....	.....	.....	.....	.....	.....	154	7.8	.....	.....	1	15.6
Williamson	359	7.1	353	.....	2	4	2	5.6	1	1	.....	.....	260	5.1	.....	.....	2	5.6
Wilson	299	6.0	296	.....	.....	3	1	3.3	1	.....	.....	.....	315	6.4	1	3.3	3	10.0

*Rate per 1,000 population. †Rate and ratio per 1,000 live births. These rates and ratios are not calculated when the number of births is less than 10.
Rate less than 0.05.

TABLE XI—NUMBER OF INDUCED TERMINATIONS OF PREGNANCY BY RACE OF WOMAN, BY COUNTY, RESIDENT AND RECORDED DATA, TENNESSEE, 1978

COUNTY	ABORTIONS					
	Resident			Recorded		
	Total	White	Nonwhite	Total	White	Nonwhite
THE STATE	*‡15,015	‡11,521	‡3,441	*18,889	14,737	4,073
Anderson	*196	177	17	*75	66	7
Bedford	56	47	9	1	.....	1
Benton	22	22	.....	.....	.....	.....
Bledsoe	17	17	.....	.....	.....	.....
Blount	267	252	15	2	2	.....
Bradley	170	161	9	.....	.....	.....
Campbell	56	56	.....	.....	.....	.....
Cannon	18	17	1	1	1	.....
Carroll	41	32	9	1	1	.....
Carter	*46	45	.....	*128	110	11
Cheatham	66	64	2	.....	.....	.....
Chester	17	14	3	.....	.....	.....
Claiborne	19	19	.....	.....	.....	.....
Clay	7	7	.....	.....	.....	.....
Cocke	71	66	5	.....	.....	.....
Coffee	*100	93	6	.....	.....	.....
Crockett	24	18	6	.....	.....	.....
Cumberland	75	74	1	.....	.....	.....
Davidson	*2,751	1,874	861	*5,854	4,496	1,317
Decatur	8	8	.....	.....	.....	.....
DeKalb	21	19	2	1	1	.....
Dickson	66	57	9	.....	.....	.....
Dyer	53	46	7	.....	.....	.....
Fayette	47	26	21	.....	.....	.....
Fentress	15	15	.....	.....	.....	.....
Franklin	50	43	7	42	37	5
Gibson	71	50	21	4	3	1
Giles	58	33	25	.....	.....	.....
Grainger	18	18	.....	.....	.....	.....
Greene	112	106	6	1	1	.....
Grundy	17	17	.....	.....	.....	.....
Hamblen	161	148	13	.....	.....	.....
Hamilton	*1,023	701	321	*1,760	1,374	384
Hancock	7	7	.....	.....	.....	.....
Hardeman	33	14	19	.....	.....	.....
Hardin	30	25	5	.....	.....	.....
Hawkins	*75	67	6	.....	.....	.....
Haywood	24	10	14	.....	.....	.....
Henderson	28	22	6	.....	.....	.....
Henry	*45	35	9	2	2	.....
Hickman	*34	31	2	.....	.....	.....
Houston	9	9	.....	.....	.....	.....
Humphreys	30	28	2	.....	.....	.....
Jackson	6	6	.....	.....	.....	.....
Jefferson	59	57	2	.....	.....	.....
Johnson	8	8	.....	.....	.....	.....
Knox	*1,796	1,555	237	*4,650	4,287	358
Lake	6	6	.....	.....	.....	.....
Lauderdale	37	22	15	.....	.....	.....
Lawrence	44	43	1	.....	.....	.....
Lewis	8	8	.....	.....	.....	.....
Lincoln	16	13	3	.....	.....	.....
Loudon	115	110	5	.....	.....	.....
McMinn	79	72	7	.....	.....	.....
McNairy	27	24	3	3	2	1
Macon	20	20	.....	.....	.....	.....
Madison	94	71	23	2	2	.....
Marion	48	44	4	3	3	.....
Marshall	40	31	9	.....	.....	.....
Maury	147	109	38	.....	.....	.....
Meigs	14	13	1	.....	.....	.....
Monroe	58	53	5	.....	.....	.....
Montgomery	*286	213	68	.....	.....	.....
Moore	2	2	.....	.....	.....	.....
Morgan	15	15	.....	.....	.....	.....
Obion	44	39	5	2	.....	2
Overton	27	27	.....	.....	.....	.....
Perry	4	4	.....	.....	.....	.....
Pickett	5	5	.....	.....	.....	.....
Polk	16	16	.....	.....	.....	.....
Putnam	*140	130	4	17	11	.....
Rhea	34	33	1	.....	.....	.....
Roane	*120	111	8	.....	.....	.....
Robertson	88	73	15	.....	.....	.....
Rutherford	*363	306	55	33	29	4
Scott	33	32	1	.....	.....	.....
Sequatchie	5	5	.....	.....	.....	.....
Sevier	*140	138	1	.....	.....	.....
Shelby	*3,416	2,044	1,365	*6,194	4,210	1,969
Smith	22	21	1	1	1	.....
Stewart	14	12	2	.....	.....	.....
Sullivan	467	443	24	*105	93	11
Sumner	*232	213	18	.....	.....	.....
Tipton	40	30	10	.....	.....	.....
Trousdale	9	9	.....	.....	.....	.....
Unicoi	18	18	.....	.....	.....	.....
Union	16	16	.....	.....	.....	.....
Van Buren	*9	8	.....	.....	.....	.....
Warren	69	62	7	.....	.....	.....
Washington	329	315	14	5	5	.....
Wayne	18	17	1	.....	.....	.....
Weakley	65	52	13	.....	.....	.....
White	21	20	1	.....	.....	.....
Williamson	139	117	22	2	.....	2
Wilson	119	107	12	.....	.....	.....

*Includes one or more items for which race of woman is not stated.
‡Includes events for Tennessee residents with county not stated.

TABLE XII—SELECTED DATA ON MARRIAGES AND DIVORCES BY RECORDED COUNTY AND ON PERSONS MARRIED BY RESIDENT COUNTY, TENNESSEE, 1978

COUNTY	Marriages Recorded			Divorces Recorded			MARRIAGES ACCORDING TO RESIDENCE											
		Persons Married			Persons Divorced		Persons Married						Grooms			Brides		
							Total		White		Nonwhite							
	No.	No.	Rate*	No.	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	Total	White	Nonwhite	Total	White	Nonwhite
Total	57,524	115,048	26.4	28,474	56,948	13.1	‡115,048	26.4	‡102,316	27.8	12,647	18.7	‡57,524	51,115	6,376	‡57,524	‡51,201	6,271
Anderson	814	1,628	24.7	420	840	12.7	1,475	22.4	1,416	22.3	57	22.6	729	696	32	746	720	25
Bedford	413	826	30.8	192	384	14.3	641	23.9	594	24.8	47	16.4	320	299	21	321	295	26
Benton	171	342	25.5	94	188	14.0	316	23.6	316	24.3	..	..	154	154	..	162	162	..
Bledsoe	89	178	20.9	54	108	12.7	193	22.7	191	24.1	2	3.5	99	98	1	94	93	1
Blount	677	1,354	17.9	612	1,224	16.2	1,595	21.1	1,553	21.4	42	13.8	805	785	20	790	768	22
Bradley	626	1,252	19.9	580	1,160	18.5	1,209	19.3	1,178	19.7	26	8.8	590	574	14	619	604	12
Campbell	2,984	5,968	185.9	183	366	11.4	803	25.0	800	25.1	1	4.0	397	396	1	406	404	..
Cannon	394	788	83.8	54	108	11.5	201	21.4	197	21.5	4	18.0	94	92	2	107	105	2
Carroll	322	644	23.5	140	280	10.2	664	21.9	545	22.7	53	15.6	298	272	25	302	273	28
Carter	509	1,018	21.4	289	578	12.1	841	17.7	834	17.7	7	14.8	414	410	4	427	424	3
Cheatham	203	406	21.5	112	224	11.9	435	23.0	427	23.7	8	9.2	220	214	6	215	213	2
Chester	160	320	26.4	72	144	11.9	225	18.6	199	18.9	26	16.7	108	98	10	117	101	16
Claiborne	940	1,880	71.2	167	334	12.7	549	20.8	544	20.9	5	12.9	256	254	2	293	290	3
Clay	574	1,148	166.4	37	74	10.7	162	23.5	160	23.7	1	7.4	82	81	..	80	79	1
Cocke	428	856	30.0	189	378	13.3	668	23.2	654	23.5	9	11.2	329	325	4	331	326	5
Coffee	461	922	26.1	241	482	13.7	907	25.7	885	26.0	25	18.4	446	432	14	461	450	11
Crockett	159	318	21.8	82	164	11.2	331	22.7	284	24.8	47	15.0	161	139	22	170	145	25
Cumberland	400	800	29.4	180	360	13.2	591	21.7	589	21.7	2	††	285	283	2	306	306	..
Davidson	4,729	9,458	21.0	3,384	6,768	15.0	11,423	25.3	9,454	26.2	1,965	21.9	5,681	4,682	997	5,742	4,772	968
Decatur	109	218	21.8	56	112	11.2	228	22.8	223	23.5	5	9.8	118	115	3	110	108	2
DeKalb	220	440	34.4	116	232	18.1	395	30.9	395	31.5	..	..	191	191	..	204	204	..
Dickson	309	618	21.8	166	332	11.7	633	22.4	612	23.1	21	11.5	317	308	9	316	304	12
Dyer	475	950	28.1	269	538	15.9	899	26.6	839	28.6	58	13.0	448	420	28	451	419	30
Fayette	236	472	18.9	124	248	9.9	334	13.4	207	21.4	127	8.3	170	107	63	164	100	64
Fentress	444	888	60.8	101	202	13.8	363	24.9	363	24.9	..	††	180	180	..	183	183	..
Franklin	243	486	16.9	160	320	10.5	574	18.9	545	19.4	29	12.2	273	260	13	301	285	16
Gibson	562	1,124	23.5	311	622	13.0	1,069	22.4	913	24.1	155	15.7	529	451	78	540	462	77
Giles	244	488	20.9	143	286	12.2	391	16.7	353	17.9	38	10.4	195	175	20	196	178	18
Grainger	139	278	16.4	92	184	10.9	333	19.7	332	19.9	1	4.7	164	163	1	169	169	..
Greene	565	1,130	21.7	368	736	14.1	1,081	20.7	1,073	21.1	8	6.1	521	516	5	560	557	3
Grundy	155	310	25.0	62	124	10.0	279	22.5	278	22.5	..	††	139	138	..	140	140	..
Hamblen	684	1,368	30.3	403	806	17.9	1,246	27.6	1,185	27.8	61	24.6	610	581	29	636	604	32
Hamilton	2,239	4,478	16.6	2,203	4,406	16.3	3,937	14.6	3,406	15.5	530	10.7	1,916	1,647	268	2,021	1,759	262
Hancock	137	274	40.9	34	68	10.1	151	22.5	149	22.5	1	††	79	79	..	72	70	1
Hardeman	222	444	19.2	101	202	8.7	432	18.7	290	20.4	142	15.9	212	144	68	220	146	74
Hardin	155	310	14.8	143	286	13.7	277	13.1	264	13.4	13	10.7	134	128	6	143	136	7
Hawkins	404	808	20.6	184	368	9.4	788	20.1	771	20.2	15	12.5	398	391	6	390	380	9
Haywood	225	450	20.8	105	210	9.7	396	18.3	209	21.4	185	15.6	192	100	91	204	109	94
Henderson	269	538	26.9	152	304	15.2	451	22.6	417	23.2	34	16.8	231	214	17	220	203	17
Henry	350	700	26.5	174	348	13.2	637	24.1	568	24.8	69	19.6	308	274	34	329	294	35
Hickman	116	232	16.3	64	128	9.0	262	18.5	256	19.0	6	8.4	131	128	3	131	128	3
Houston	73	146	21.8	32	64	9.6	135	20.1	135	21.4	..	..	67	67	..	68	68	..
Humphreys	185	370	24.3	18	36	2.4	387	25.5	382	26.1	5	8.5	188	186	2	199	196	3
Jackson	162	324	36.8	31	62	7.0	180	20.5	180	20.5	..	††	94	94	..	86	86	..
Jefferson	276	552	18.8	187	374	12.8	558	19.0	548	19.4	10	10.2	291	286	5	267	262	5
Johnson	171	342	24.6	90	180	12.9	246	17.7	245	17.8	1	7.5	116	116	..	130	129	1
Knox	3,497	6,994	23.1	2,234	4,468	14.8	7,041	23.3	6,535	23.7	506	19.2	3,463	3,203	260	3,578	3,332	246
Lake	94	188	26.5	64	128	18.0	169	23.8	157	28.8	12	7.2	83	77	6	86	80	6
Lauderdale	355	710	30.7	207	414	17.9	578	25.0	435	28.6	142	17.9	294	219	75	284	216	67
Lawrence	335	670	19.8	171	342	10.1	606	17.9	595	17.8	10	19.3	300	295	4	306	300	6
Lewis	120	240	27.6	54	108	12.4	227	26.1	227	26.6	..	..	110	110	..	117	117	..
Lincoln	318	636	25.1	179	358	14.2	540	21.3	486	21.7	52	17.8	265	238	26	275	248	26
Loudon	321	642	23.5	199	398	14.6	610	22.3	602	22.5	6	10.4	296	292	3	314	310	3
McMinn	521	1,042	26.2	256	512	12.9	879	22.1	838	22.3	41	19.9	423	405	18	456	433	23
McNairy	218	436	20.2	153	306	14.2	364	16.9	344	17.1	20	13.6	176	168	8	188	176	12
Macon	157	314	20.9	73	146	9.7	284	18.9	284	19.1	..	††	140	140	..	144	144	..
Madison	822	1,644	23.1	444	888	12.5	1,681	23.6	1,300	26.5	379	17.0	828	635	192	853	665	187
Marion	225	450	19.2	158	316	13.5	339	14.5	329	14.9	9	6.5	165	161	4	174	168	5
Marshall	241	482	26.3	130	260	14.2	395	21.6	373	22.9	21	10.6	194	185	9	201	188	12
Maury	504	1,008	20.9	283	566	11.7	1,000	20.7	897	22.8	103	11.5	489	441	48	511	456	55
Meigs	71	142	20.3	26	52	7.4	142	20.3	140	20.7	2	8.0	67	66	1	75	74	1
Monroe	292	584	21.5	131	262	9.6	599	22.0	581	22.2	18	17.3	298	289	9	301	292	9
Montgomery	1,235	2,470	30.8	648	1,296	16.2	1,693	21.1	1,456	22.0	237	16.9	760	668	92	933	788	145
Moore	58	116	29.0	10	20	5.0	53	13.2	53	14.3	..	..	25	25	..	28	28	..
Morgan	191	382	24.0	86	172	10.8	372	23.4	371	23.7	1	3.8	186	185	1	186	186	..
Obion	433	866	25.5	199	398	11.7	607	17.9	567	18.0	40	16.5	304	285	19	303	282	21
Overton	233	466	27.1	86	172	10.0	342	19.9	341	19.9	1	††	172	171	1	170	170	..
Perry	51	102	16.5	27	54	8.7	103	16.6	101	16.8	2	11.0	50	49	1	53	52	1
Pickett	294	588	133.6	12	24	5.5	77	17.5	77	17.5	..	††	38	38	..	39	39	..
Polk	123	246	18.6	43	86	6.5	210	15.9	209	15.9	1	††	117	116	1	93	93	..
Putnam	405	810	19.3	255	510	12.2	961	22.9	933	22.7	26	34.3	473	460	13	488	473	13
Rhea	297	594	26.2	115	230	10.1	561	24.7	551	25.2	7	8.7	283	278	4	278	273	3
Roane	546	1,092	24.4	330	660	14.8	1,018	22.8	998	23.3	20	10.5	497	490	7	521	508	13
Robertson	3,338	6,676	202.9	172	344	10.5	744	22.6	668	24.2	74	14.1	362	331	31	382	337	43
Rutherford	749	1,498	19.6	492	984	12.8	1,779	23.2	1,633	24.3	146	15.6	884	809	75	895	824	71
Scott	281	562	31.6	76	152	8.5	431	24.2	431	24.2	..	††	209	209	..	222	222	..
Sequatchie	132	264	34.3	58	116	15.1	172	22.3	170	22.1	..	††	89	88	..	83	82	..
Sevier	786	1,572	42.5	294	588	15.9	868	23.5	863	23.4	5	26.2	430	427	3	438	436	2
Shelby	8,114	16,228	21.5	3,859	7,718	10.2	15,103	20.0	10,018	21.1	5,078	18.1	7,424	4,912	2,510	7,679	5,106	2,568
Smith	193	386	27.4	83	166	11.8	278	19.7	278	20.8	..	..	135	135	..	143	143	..
Stewart	80	160	17.2	32	64	6.9	146	15.7	141	15.6	5	21.4	77	74	3	69	67	2
Sullivan	1,529	3,058	22.1	1,012	2,024	14.6	2,533	18.3	2,486	18.3	44	15.5	1,250	1,225	24	1,283	1,261	20
Sumner	1,626	3,252	41.7	519	1,038	13.3	1,783	22.9	1,717	23.8	66	11.1	870	833	37	913	884	29
Tipton	468	936	29.2	293	586	18.3	668	20.6	534	24.7	124	11.9	313	259	53	347	275	71
Trousdale	656	1,312	234.3	30	60	10.7	153	27.3	136	29.7	17	16.7	76	68	8	77	68	9
Unicoi	145	290	18.5	99	198	12.6	257	16.4	257	16.4	..	††	125	125	..	132	132	..
Union	164	328	27.6	65	130	10.9	253	21.3	253	21.3	..	††	129	129	..	124	124	..
Van Buren	50	100	23.3	21	42	9.8	86	20.0	84	19.6	1	††	41	39	1	45	45	..
Warren	330	660	21.1	159	318	10.2	850	27.2	825	27.6	24	16.9	426	416	10	424	409	14
Washington	711	1,422	17.1	619	1,238	14.9	1,578	19.0	1,524	19.1	53	16.0	784	757	27	794	767	26
Wayne	118	236	17.5	77	154	11.4	216	16.0	212	16.0	4	17.1	103	102	1	113	110	3
Weakley	339	678	21.9	195	390	12.6	641	20.7	603	20.8	38	19.6	320	305	15	321	298	23
White	186	372	18.9	117	234	11.9	403	20.5	401	20.8	1	2.2	200	199	1	203	202	1
Williamson	519	1,038	20.6	291	582	11.5	873	17.3	828	19.1	45	6.3	425	401	24	448	427	21
Wilson	631	1,262	25.4	367	734	14.8	1,038	20.9	980	22.3	58	10.4	518	489	29	520	491	29
Other State	..	..	..	..	..	..	22,880	..	21,496	..	1,360	..	12,131	11,327	793	10,749	10,169	567
Foreign Country	..	..	..	..	..	..	52	..	45	..	7	..	27	24	3	25	21	4

Includes one or more items with race not stated.
†† Rate not calculated when population is less than 100.
* Rate per 1,000 population.
‡ Includes one or more Tennessee residents with county unknown.